



Columbia University
Bulletin of Information

BARNARD COLLEGE

ANNOUNCEMENT

1945—1946

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1945-46

**BARNARD COLLEGE
ARCHIVES**

Columbia University
in the City of New York

BARNARD COLLEGE

1945—1946



MORNINGSIDE HEIGHTS
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FOREWORD

Barnard College is the undergraduate college of liberal arts and sciences for women of Columbia University. Its Faculty is one of the Faculties of the University. Its graduates receive from Columbia the degree of Bachelor of Arts. Though Barnard is so closely a part of the University educationally, financially it is independent of Columbia, and has its own Board of Trustees.

The purpose of a college of liberal arts and sciences, as Barnard conceives it, is to provide for students who are qualified to absorb it general education of mind, body and character. This basic education gives the students some preparation for whatever life the future may bring to them—preparation for human relationships, for recreation and for citizenship, and the foundation necessary for professional training, which Barnard students may later seek in the professional schools of Columbia University.

The requirements for the degree and the program of courses through which the Faculty offers the opportunity of obtaining this education will be found on pages 27 ff.

The professions for which the university prepares students and the requirements of the various schools are listed on pages 36 ff.

The requirements for admission are explained on pages 18 ff.

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WALTER D. FLETCHER 15 Broad Street

DAVE HENNER MORRIS (died May 4, 1944) 19 East 70th Street

*DONALD B. ALDRICH, D.D. 12 West 11th Street

MRS. ARTHUR HAYS SULZBERGER 5 East 80th Street

JOHN C. PARKER, JR. 4 Irving Place

MRS. ALFRED F. LOOMIS 17 East 84th Street

(Alumnae Trustee 1941-1945)

MRS. HAROLD S. OSBORNE 379 Highland Avenue

(Alumnae Trustee 1943-1947)

Upper Montclair, New Jersey

* Absent on war service.

STANDING COMMITTEES

1945

NOTE. The date after each name indicates the expiration of the term of office.

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MR. JAY (1947)

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(*ex officiis*)

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VIRGINIA CROCHERON GILDERSLEEVE, Ph.D., LL.D., Litt.D., L.H.D. *Dean and Professor of English*

LOUISE HOYT GREGORY, Ph.D. *Associate Dean and Professor of Zoölogy*

EDWARD KASNER, Ph.D. *Adrain Professor of Mathematics*

WILLIAM P. MONTAGUE, Ph.D. *Johnsonian Professor of Philosophy*

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WILLIAM HALLER, Ph.D. *Professor of English*

CLARE M. HOWARD, Ph.D. *Associate Professor of English*

GEORGE WALKER MULLINS, Ph.D., LL.D. *Professor of Mathematics*

*AGNES R. WAYMAN, A.M., Pd.D. *Associate Professor of Physical Education*

HUGH WILEY PUCKETT, Ph.D. *Professor of German*

RAYMOND MOLEY, Ph.D., LL.D. *Professor of Public Law*

HELEN H. PARKHURST, Ph.D. *Professor of Philosophy*

FLORENCE DE LOISELLE LOWTHER, Ph.D. *Associate Professor of Zoölogy*

ELIZABETH FAULKNER BAKER, Ph.D. *Associate Professor of Economics*

HORACE L. FRIESS, Ph.D. *Associate Professor of Philosophy*

DOUGLAS MOORE, A.B., Mus.B. *Professor of Music*

ROBERT M. MACIVER, Ph.D., Litt.D.

Lieber Professor of Political Philosophy and Sociology

GLADYS A. REICHARD, Ph.D. *Associate Professor of Anthropology*

PETER M. RICCIO, Ph.D. *Associate Professor of Italian*

CORNELIA L. CAREY, Ph.D. *Associate Professor of Botany*

W. CABELL GREET, Ph.D. *Associate Professor of English*

MINOR W. LATHAM, Ph.D. *Professor of English*

PAUL A. SMITH, Ph.D. *Associate Professor of Mathematics*

• ETHEL STURTEVANT, A.M. *Assistant Professor of English*

EUGENE H. BYRNE, Ph.D. *Professor of History*

THOMAS PRESTON PEARDON, Ph.D. *Professor of Government*

FRÉDÉRIC G. HOFFHERR, B. ès L. *Associate Professor of French*

MARGUERITE MESPOULET, *Agrégée de l'Université* *Professor of French*

*JAMES H. OLIVER, Ph.D. *Assistant Professor of History*

MARGARETE BIEBER, Ph.D., *Associate Professor of Fine Arts and Archaeology*

FLORRIE HOLZWASSER, Ph.D. *Assistant Professor of Geology*

MARION LAWRENCE, Ph.D. *Assistant Professor of Fine Arts*

*ELIZABETH REYNARD, B.Litt. (Oxon.) *Assistant Professor of English*

WILLARD WALLER, Ph.D. *Associate Professor of Sociology*

*HENRY A. BOORSE, Ph.D. *Associate Professor of Physics*

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MARION STRENG, A.M. *Assistant Professor of Physical Education*

JOHN DAY, Ph.D. *Assistant Professor of Greek and Latin*

*HAROLD C. BOLD, Ph.D. *Assistant Professor of Botany*

RAYMOND J. SAULNIER, Ph.D. *Assistant Professor of Economics*

*RICHARD PARDEE YOUTZ, Ph.D. *Assistant Professor of Psychology*

* Absent on war service.

* Absent on leave, 1945-46.

HENRY S. SHARP, Ph.D.	<i>Associate Professor of Geology</i>
EDGAR R. LORCH, Ph.D.	<i>Associate Professor of Mathematics</i>
VIRGINIA D. HARRINGTON, Ph.D.	<i>Assistant Professor of History</i>
MARGARET HOLLAND, A.M.	<i>Assistant Professor of Physical Education</i>
AMELIA A. DE DEL RÍO, A.M.	<i>Assistant Professor of Spanish</i>
HELEN R. DOWNES, Ph.D.	<i>Associate Professor of Chemistry</i>
JOHN A. MOORE, Ph.D.	<i>Assistant Professor of Zoölogy</i>
OTTO LUENING	<i>Associate Professor of Music on the Joline Foundation</i>
JULIUS HELD, Ph.D.	<i>Assistant Professor of Fine Arts</i>
S. STANSFELD SARGENT, Ph.D.	<i>Assistant Professor of Psychology</i>
AGNES TOWNSEND, Ph.D.	<i>Assistant Professor of Physics</i>
JAMES L. CLIFFORD, Ph.D.	<i>Associate Professor of English</i>
MARION ARMERUSTER, Ph.D.	<i>Assistant Professor of Chemistry</i>
MIRRA KOMAROVSKY, Ph.D.	<i>Assistant Professor of Sociology</i>
LORNA F. MCGUIRE, Ph.D.	<i>Assistant Professor of English</i>
FRANK H. BOWLES, A.M.	<i>Director of University Admissions</i>
GULIELMA F. ALSOP, M.D.	<i>College Physician</i>

Other Officers of Instruction

MARY MORRIS SEALS	<i>Associate in English</i>
LELIA M. FINAN, A.M.	<i>Associate in Physical Education</i>
LOUISE G. STABENAU, A.M.	<i>Associate in German</i>
TERESA A. CARBONARA, A.M.	<i>Associate in Italian</i>
CLARA ELIOT, Ph.D.	<i>Associate in Economics</i>
ISABELLE DE WYZEWA, Ph.D.	<i>Associate in French</i>
ANDRÉ MESNARD, A.M.	<i>Associate in French</i>
DAVID N. ROWE, Ph.D.	<i>Associate in Government</i>
FRANCES K. MARLATT, A.M., J.D.	<i>Associate in English</i>
GRACE SPRINGER FORBES, Ph.D.	<i>Instructor in Zoölogy</i>
MARIANNA BYRAM, A.M.	<i>Instructor in Fine Arts</i>
EVELYN E. EVANSON, Ph.D.	<i>Instructor in Chemistry</i>
FERN YATES, A.M.	<i>Instructor in Physical Education</i>
² CHARLOTTE T. MURET, Ph.D.	<i>Instructor in History</i>
GERTRUDE V. RICH, Ph.D.	<i>Instructor in Philosophy</i>
*GEORGE B. YOUNG, Ph.D.	<i>Instructor in History</i>
DONALD B. MARSH, Ph.D.	<i>Instructor in Economics</i>
*GEORGIANA C. REMER, B.A. Hons. (Oxon.)	<i>Instructor in English</i>
*DAVID A. ROBERTSON, JR., Ph.D.	<i>Instructor in English</i>
GELOLO MCHUGH, Ph.D.	<i>Instructor in Psychology</i>
MARY ELIZABETH LADUE, Ph.D.	<i>Instructor in Mathematics</i>
WINONA STONE, M.S.	<i>Instructor in Botany</i>
SARA DE FORD, Ph.D.	<i>Instructor in English</i>
MARJORIE COOGAN, Ph.D.	<i>Instructor in English</i>
JAMES MERRY, Ph.D.	<i>Instructor in Botany</i>
CORINNE BIZE, A.M.	<i>Instructor in Physical Education</i>
CAROLYN P. CADY, A.M.	<i>Instructor in Music</i>

* Absent on war service.

² Absent on leave, 1945-46.

LOUISE M. COMER, Sc.M.	<i>Instructor in Mathematics</i>
² ANNIS SANDVOS, A.M.	<i>Instructor in English</i>
JEAN FAIR MITCHELL, M.A. Hons. (Edinburgh)	<i>Instructor in English</i>
ALICE R. BENNETT, A.M.	<i>Instructor in French</i>
MARGARET DEHAAN, A.M.	<i>Instructor in Physical Education</i>
LOIS S. ADAMS, Ph.D.	<i>Instructor in Psychology</i>
HELEN PHELPS BAILEY, A.M.	<i>Instructor in French</i>
MARGARITA U. DA CAL, A.M.	<i>Instructor in Spanish</i>
EUGENIO FLORIT, LL.D.	<i>Instructor in Spanish</i>
ELLENOR SWALLOW, Ph.D.	<i>Instructor in Greek and Latin</i>
LUCIA S. FISHER, A.B.	<i>Lecturer in Chemistry</i>
JANE GASTON-MAHLER, A.M.	<i>Lecturer in Fine Arts</i>
² URSULA M. NIEBUHR, M.A. (Oxon.), S.T.M.	<i>Lecturer in Religion</i>
CAROLYN FROST BAKER, A.B.	<i>Lecturer in Chemistry</i>
CHARLOTTE F. MULLER, A.M.	<i>Lecturer in Economics</i>
FRANK RUSSELL HAMBLIN, Ph.D.	<i>Lecturer in History</i>
MARIA DE LOURDES SA PEREIRA, A.M.	<i>Lecturer in Portuguese</i>
CHILTON WILLIAMSON, A.M.	<i>Lecturer in History</i>
CLARE BALLUF, A.M.	<i>Lecturer in German</i>
MURIEL BOWDEN, A.M.	<i>Lecturer in English</i>
ROBERTA MORGAN, A.M.	<i>Lecturer in English</i>
HELEN CARLSON, A.M.	<i>Lecturer in French</i>
ELIZABETH KELLEY BAUER, A.M.	<i>Lecturer in American Studies</i>
JOSÉ RUBEN, Bac.Lettres-Philosophie	<i>Lecturer in English</i>
MARCIA FREEMAN, A.B.	<i>Lecturer in English</i>
MARY-MARGARET H. BARR, Ph.D.	<i>Lecturer in French</i>
MARIE LEDERMANN, A.M.	<i>Lecturer in German</i>
MARY H. FAIRBANKS, A.M.	<i>Lecturer in Government</i>
URSULA S. LAMB, A.M.	<i>Lecturer in History</i>
REINHARD LUTHIN, Ph.D.	<i>Lecturer in History</i>
SHIRLEY SEXAUER, A.B.	<i>Lecturer in Mathematics and Physics</i>
THEODORE KOESTER, A.M.	<i>Lecturer in Psychology</i>
MARGARITA B. HOGAN, A.M.	<i>Lecturer in Spanish</i>
ELEANOR B. MATTES, M.A., B.D.	<i>Lecturer in Religion</i>
ELSPETH DAVIES, A.M.	<i>Lecturer in History</i>
CHARLOTTE V. CONWAY, A.B.	<i>Assistant in Anthropology</i>
MAY COORS, A.B.	<i>Assistant in Botany</i>
ANNETTE H. HERVEY, A.M.	<i>Assistant in Botany</i>
MARIA-RENAME ROTHER, B.S.	<i>Assistant in Chemistry</i>
MARJORIE CORSON, A.B.	<i>Assistant in Chemistry</i>
EMILY GUNNING, A.B.	<i>Assistant in Economics and Sociology</i>
CAROLYN J. FICKLEN, A.M.	<i>Assistant in Geology</i>
VIVIAN MARTIN FRAZIER	<i>Assistant in Geology</i>
DOROTHY AMES LECOUNT	<i>Assistant in Geology</i>
FLORA WIKAWA BRIDGES, A.M.	<i>Assistant in Government</i>
MARTHA MESSLER, A.B.	<i>Assistant in Psychology</i>
PATRICIA DAUGHERTY, A.B.	<i>Assistant in Zoölogy</i>

²Absent on leave, 1945-46.

GEORGIANNA GREVATT ZIMM, A.M. *Assistant in Zoölogy*
 VIRGINIA BENEDICT KATZ, A.B. *Assistant in Zoölogy*
 JACQUELINE BLOCK, A.B. *Assistant in Zoölogy*

Other Officers of the University and Professors from other institutions who give part-time instruction in Barnard College will be found in the lists at the head of departmental announcements.

Professors Emeritus

IDA H. OGILVIE, Ph.D. *Professor Emeritus of Geology*
 WILHELM A. BRAUN, Ph.D.

Professor Emeritus of the Germanic Languages and Literatures

WILLIAM T. BREWSTER, A.M., Litt.D. *Professor Emeritus of English*

HENRY E. CRAMPTON, Ph.D., Sc.D. *Professor Emeritus of Zoölogy*

GERTRUDE M. HIRST, Ph.D., M.A. (Cantab.)

Professor Emeritus of Greek and Latin

MARIE REIMER, Ph.D. *Professor Emeritus of Chemistry*

Barnard Representatives on the University Council

The DEAN (*ex officio*), Professor MULLINS (serving until June, 1945), and Professor HALLER (serving until June, 1947).

Barnard Representatives on the University Committee on Admissions

Mr. BOWLES, chairman, and the DEAN (*ex officio*).

MEMBERS OF BARNARD SUBCOMMITTEE: Professors LATHAM, DEL RÍO, and Dr. McGUIRE.

Standing Committees of the Faculty

COMMITTEE ON INSTRUCTION: The DEAN, *chairman*, Professors PARKHURST, CAREY, PEARDON, SHARP, BAKER, HOFFHERR and LORCH, Dr. McGUIRE, and Associate Dean GREGORY (*ex officio*).

COMMITTEE ON SCHOLARSHIPS: The DEAN, *chairman*, Professors HOLZWASSER and HARRINGTON, Dr. McGUIRE, Dr. EVANSON, Dr. LADUE, and Miss CARLSON.

COMMITTEE ON HONORS: The DEAN, *chairman*, Professors HOLLINGWORTH, REICHARD, HOWARD, BYRNE and LORCH.

COMMITTEE ON STUDENT AFFAIRS: The DEAN, *chairman*, Professors SHARP and GREET, Dr. RICH, Mrs. BAILEY and Professor HARRINGTON, *secretary and executive officer*.

COMMITTEE ON SCHEDULE OF HOURS: Associate Dean GREGORY, *chairman*, Professors MULLINS, PUCKETT, PEARDON, Dr. McGUIRE, and the DEAN (*ex officio*).

COMMITTEE ON TRANSFERS: Professor LOWTHER, *chairman*, Professors PUCKETT, SARGENT and KOMAROVSKY, and the DEAN (*ex officio*).

COMMITTEE ON THE FOREIGN LANGUAGE REQUIREMENT: Associate Dean GREGORY, *chairman*, Professors PUCKETT, GREET, DEL RIO and HOFFHERR, and the DEAN (*ex officio*).

COMMITTEE ON NATIONAL SERVICE: Professor SARGENT, *chairman*, Professors GREGORY, PUCKETT and CAREY, Mrs. BAILEY, Dr. LADUE, and Professor HARRINGTON (*ex officio*).

Officers of Administration

MARY V. LIBBY, A.B.	Assistant to the Dean—Admissions, Information
PAGE J. KARLING, A.B.	Assistant Secretary of Admissions
ESTHER GREENE, A.B., B.S.	Librarian
THUSNELDA BRETTMAN	Assistant Librarian
MARGARET GIDDINGS, A.B.	Registrar
DOROTHY E. FOX, A.B.	Assistant Registrar
EMILY G. LAMBERT, A.B.	Bursar
FRANCES A. BARRY, A.B.	Assistant Bursar
JOHN J. SWAN, M.E.	Comptroller
KATHARINE PROVOST, B.S.	Assistant to the Comptroller
GULIELMA F. ALSOP, M.D.	College Physician
HELEN M. CARLSON, A.M.	Assistant to the Dean—Residence Halls
KATHARINE S. DOTY, A.M.	Assistant to the Dean—Occupation Bureau
VIRGINIA D. HARRINGTON, Ph.D.	Assistant to the Dean— Student Organizations and Social Affairs
HELEN ERSKINE, A.M.	Assistant to the Dean—Public Relations
LORNA F. MCGUIRE, Ph.D.	Freshman Adviser
FREDERICK A. GOETZE, M.Sc.	Treasurer of the University
*REV. STEPHEN F. BAYNE, JR., S.T.M.	Chaplain of the University
OTIS M. RICE, A.B., B.D.	Acting Chaplain
WILLIAM H. MCCASTLINE, M.D.	University Medical Officer

*Absent on war service.

BARNARD COLLEGE

COLUMBIA UNIVERSITY

Columbia University had its origin in the royal charter granted by Letters Patent in the reign of George II, King of England, to the Governors of the College of the Province of New York, in the City of New York, in America, creating them a Body Corporate to erect and maintain a college to be known as King's College "for the Instruction and Education of Youth in the Learned Languages and Liberal Arts and Sciences"; with power to elect their successors, to hold property, to appoint a president, fellows, professors, and tutors, and to confer degrees.

Because of its early relationship to Trinity Church and the grant to King's College of a valuable tract of land which was a portion of the Queen's Farm, there has always existed a close relationship between the religious life of the College and the Protestant Episcopal Church. The services at the College Chapel are in accordance with the liturgy of that church.

The Revolutionary War interrupted the active work of the institution, but in 1784 it was reopened as Columbia College. In 1912 the title was changed to Columbia University in the City of New York.

The University at the present time consists of Columbia College, the undergraduate college of liberal arts for men, which offers a program of studies leading to the degree of Bachelor of Arts; the School of Law, with courses leading to the degrees of Bachelor of Laws, Master of Laws, and Doctor of the Science of Law; the College of Physicians and Surgeons, with courses leading to the degrees of Doctor of Medicine, Doctor of Medical Science, Doctor of Public Health, and Master of Science in public health, and with courses in nursing leading to the degree of Bachelor of Science, or to the diploma in nursing; the School of Engineering, with courses leading to the degree of Bachelor of Science, the several engineering degrees, and the degree of Master of Science; the School of Architecture, with courses leading to the degrees of Bachelor of Architecture and Master of Science; the School of Journalism, with courses leading to the degree of Master of Science; the School of Business, with courses leading to the degrees of Bachelor of Science, Master of Science and Master of Business Administration; the School of Dental and Oral Surgery, with courses leading to the degree of Doctor of Dental Surgery; the School of Library Service, with courses leading to the degrees of Bachelor of Science and Master of Science; the nonprofessional Graduate Faculties of Political Science, Philosophy, and Pure Science, with courses leading to the degrees of Master of Arts and Doctor of Philosophy. Under the University Council the degree of Bachelor of Science is offered for completion of courses in general studies and for professional courses in Optometry. In addition to these schools and faculties, the University includes the independent corporations of Barnard College (1889), the undergraduate college for women, with courses leading to the degree of Bachelor of Arts; Teachers College (1898), with courses offered under the Faculty of Teachers College leading to the degrees of Bachelor of Science, Master of Arts, and Master of Science; the Advanced School of Education in Teachers College (1935), with programs of

study leading to the degree of Doctor of Education, and under the Department of Educational Research of the Faculty of Philosophy, to the degree of Doctor of Philosophy; the College of Pharmacy (1904), with courses leading to the degrees of Bachelor of Science and Master of Science; Union Theological Seminary (1928), whose faculty conducts certain University work leading to the degree of Master of Arts; New York Post-Graduate Medical School (1931), which offers advanced work in medicine, and the New York School of Social Work (1940), with courses leading to the degree of Master of Science.

The University maintains three sessions during the year: the Winter Session, beginning the last Wednesday of September and ending the first Tuesday of February; the Spring Session, beginning the first Wednesday of February and ending the second Wednesday of June; and the Summer Session, in which, during the emergency, courses under the several faculties and schools vary from three to fifteen weeks. Through its system of University Extension the opportunity is offered to men and women to pursue subjects included in a liberal education, and to take courses toward a diploma or an academic degree.

BARNARD COLLEGE

FOUNDING OF BARNARD COLLEGE. During the 1880's there developed in New York a demand for higher education for women comparable in quality to that given in the best colleges for men. It was felt that Columbia should somehow provide this, and in 1889 a group of men and women worked out with the Trustees of Columbia a plan for the establishment of a college for women affiliated with Columbia, but financially independent. A charter was granted by the State of New York, and promises of subscriptions for the support of the college during the first four years were secured. Mrs. Alfred Meyer played an active and leading part in raising the necessary funds and influencing others to a belief in the new institution. She became one of the original Trustees. The Reverend Arthur Brooks was elected Chairman of the Board, Mrs. Joseph H. Choate, Vice-Chairman, Mr. Hamilton Wright Mabie, Secretary, and Mr. Jacob H. Schiff, Treasurer. The other original Trustees were: Mrs. Francis B. Arnold, Miss Helen Dawes Brown, Mr. Silas B. Brownell, Mrs. William C. Brownell, Mr. Frederic R. Coudert, Mr. Noah Davis, Mr. George Hoadley, Mr. George A. Plimpton, Mrs. John D. Rockefeller, Mr. Francis Lynde Stetson, Mrs. James S. T. Stranahan, Mrs. James Talcott, the Reverend Henry van Dyke, Miss Ella Weed, Mr. Everett P. Wheeler, Miss Alice Williams and Mrs. Frances Fisher Wood.

President Frederick A. P. Barnard of Columbia College had for years been an ardent advocate of the admission of women to Columbia. As early as 1879 he urged this in his Report to the Trustees, expressing the "profound conviction that, in the interests of society, the mental culture of women should be not inferior in character to that of men." It was fitting, therefore, that the founders of the new college should give it his name. With seven instructors selected from the teaching staff of Columbia and with fourteen regular and twenty-two special students, Barnard opened in the fall of 1889 in a rented house at 343 Madison Avenue.

RELATION TO THE UNIVERSITY. In 1900 when the growth of the College had made inappropriate the original informal arrangement for instruction, an agreement was made between the Trustees of Columbia College and of Barnard College by which Barnard was incorporated in the educational system of the University. By the provisions of this agreement, the President of the University is *ex officio* President of Barnard College. Barnard professors are appointed by the University on the nomination of the Dean with the approval of the President and the Trustees, and rank as professors of the University. The College is represented on the University Council by its Dean and two elected representatives. The graduates of Barnard receive their degrees from Columbia, and these degrees are maintained as of equal value with corresponding degrees conferred upon the graduates of Columbia College. The University libraries are open to women on the same terms as to men. Various opportunities in other schools of the University have also, through the relation of Barnard College to Columbia, been opened to Barnard students. On the other hand, Barnard has its separate corporate and financial organization, with its own Board of Trustees. It retains its own internal administration, conducted by the Dean, who is appointed by the President with the advice and consent of the Trustees of Barnard. Its courses are determined and administered by its own Faculty, consisting of all professors who give instruction at Barnard.

BUILDINGS AND GROUNDS. Since 1897 Barnard has occupied the land on Broadway between 119th and 120th Streets, just west of the main buildings of the University. In 1903 Milbank Quadrangle, extending from 119th to 116th Streets, was added through the gift of Mrs. A. A. Anderson. In 1936, largely through a gift from the General Education Board, the College purchased Riverside Quadrangle, between 119th and 120th Streets, Claremont Avenue and Riverside Drive. Milbank Hall and Brinckerhoff Hall, erected in 1896, the gifts respectively of Mrs. Anderson and Mrs. Van Wyck Brinckerhoff, and Fiske Hall, erected in 1898, the gift of Mrs. Josiah M. Fiske, are three adjoining buildings on 119th Street; they contain the administrative offices, lecture rooms, and laboratories. Brooks Hall, a residence hall at the southern end of the Quadrangle on 116th Street, was erected in 1907. A residence hall adjoining Brooks Hall and known as Hewitt Hall was completed in 1925. Barnard Hall, given by Mr. Jacob H. Schiff and erected in 1917, is on Milbank Quadrangle near 117th Street; it contains the gymnasium, swimming pool, lunch-room, reading room, doctors' and nurses' offices, and rooms for student organizations. Riverside Building, a former private house on Riverside Drive, provides temporarily a few offices and classrooms. Barnard Camp, a 17-acre tract of wooded land in Westchester County, about 35 miles by parkways from the College, was given by the Alumnae in 1933, and provides opportunity for country weekends, sports and recreation.

FINANCIAL STATEMENT. The College owns equipment, buildings, and grounds of a value of \$4,300,000, and holds productive funds providing a net income of about \$200,000.

ACADEMIC DISCIPLINE. The continuance of each student upon the rolls of the University, the receipt by her of academic credits, her graduation, and the conferring of any degree or the granting of any certificate are strictly subject

to the disciplinary powers of the University, which is free to cancel her registration at any time on any grounds which it deems advisable. The disciplinary authority of the University is vested in the President in such cases as he deems proper, and, subject to the reserve powers of the President, in the Dean of each Faculty and the Director of the work of each administrative board.

RESIDENCE. All students not residing with their parents are required to live in Brooks Hall or Hewitt Hall unless for reasons of weight they receive special permission to live with relatives. Applications for such permission, accompanied by letters of approval from parents or guardians, should be made before August 1 to the Assistant to the Dean in charge of Social Affairs. Reservations for rooms outside, made without permission, will not be approved.

ADMISSION

General Statement

A student in Barnard College who has fulfilled the preliminary qualifications for candidacy for a degree is enrolled as a matriculated student of Columbia University.

Admission to the several schools and colleges of Columbia University presupposes certain educational qualifications, but the possession of the qualifications does not entitle a candidate to admission unless his or her character and personality are acceptable to the University and unless he or she is physically fit to do the work which he or she desires to undertake. Satisfaction of the minimum requirements for admission to the schools and colleges of the University does not insure admission, particularly if the school or college be crowded.

Each person whose registration has been completed will be considered a student of the University during the period for which such registration is held valid. No student registered in any school or college of the University shall at the same time be registered in any other school or college, either of Columbia University or of any other institution, without the consent of the appropriate Dean or Director.

In exceptional circumstances a student not enrolled as a matriculated student may be admitted to the University as a nonmatriculated student, with permission to attend such courses of instruction as he or she is qualified to take, but not as a candidate for a degree, certificate, or diploma in regular course. Nonmatriculated students are expected to conform to the same standards of attendance and scholarship as are required of matriculated students. Nonmatriculated students may receive a formal statement of the satisfactory completion of any course.

Students prevented by conscientious scruples from complying with academic requirements which may be fulfilled only upon days set apart by their church for religious observance should make application to the appropriate authority for equitable relief.

Policy and Procedure

Barnard College selects its students from an eligible list consisting of all candidates who present satisfactory evidence of good character, good health, good preparation and intellectual ability.

In choosing the members of its freshman class and also the students from other colleges admitted to higher standing, the College keeps in mind the desirability of having a student body which, though reasonably congenial, will be as far as possible a cross-section of the country geographically, economically, socially, and in other ways, so that it will be educationally valuable for the members to know one another and work together. This consideration may influence the selections of the Committee on Admissions.

Each student who plans to enter the College should file an application for admission, forms for which are obtainable from the Secretary to the Committee on Admissions, at as early a date as possible, accompanied by a money order or draft for \$10 payable to Barnard College. This application fee will not be credited on the college fees nor refunded for any cause.

Admission to the Freshman Class

Candidates must be at least fifteen years of age and must submit the following credentials:

- I. Satisfactory evidence of good character, personality and promise. Confidential reports from the applicant's school principal and teachers are given most weight. A personal interview with a member of the Admissions Office staff is most desirable and in any case a photograph must be submitted. The names of three persons who may be used as references are sometimes requested.
- II. Satisfactory evidence of adequate health.
This consists of a health history and report of a health examination, submitted to the College Physician on a form supplied by the Admissions Office.
- III. Satisfactory evidence of good preparation and intellectual ability.
 - A. Preparation consists normally of graduation from an approved secondary school, or some equivalent education acceptable to the College, representing a four-year course normally including: four years work in English, three years in some foreign language, two years in another foreign language, a year in algebra, a year of plane geometry; the rest of the course should be selected mainly from history, science, additional languages, mathematics, music and art. For premedical students additional work in mathematics and German is advised. For pre-engineering students three years of social studies, two years of French or German, mathematics through solid geometry and trigonometry, physics, and chemistry are required. Exceptions may be made under special conditions.

- B. Ability is tested by means of the College Entrance Examination Board Scholastic Aptitude and three Scholastic Achievement tests. These are required of every candidate for admission to the freshman class and in some cases required of those who choose to enter with advanced standing. For complete information regarding these tests, see below.

The emphasis will be placed on the candidate's ability to do college work successfully. If a student is admitted to Barnard College, she will be admitted without entrance conditions. If the time in secondary school has been curtailed or if the school record is lacking in some essential element, the College may require an additional term of work for graduation.

General Information Concerning Tests

The College Entrance Examination Board will administer the following four series of tests in 1945:

- Saturday, April 7, 1945
- Saturday, June 2, 1945
- Wednesday, September 5, 1945
- Saturday, December 1, 1945

Scholastic Aptitude Test (including a verbal and mathematical section) 9 A.M.

Achievement Tests—Not more than three of the following one-hour tests: 2 P.M.

- | | |
|---------------------|-------------------|
| English Composition | Spanish Reading |
| Social Studies | Biology |
| French Reading | Chemistry |
| German Reading | Physics |
| Latin Reading | Spatial Relations |

*Comprehensive Mathematics Test (three hours) 2 P.M.

A single Bulletin of Information containing rules for the filing of applications and the payment of fees, lists of examination centers, etc., may be obtained without charge from the College Entrance Examination Board. The Board does not publish a detailed description of the Scholastic Aptitude Test, the Comprehensive Mathematics Test, or the Achievement Tests. Brief descriptions are included in the Bulletin. A practice form of the test will be sent to every candidate who registers for it.

Candidates should make application by mail to the College Entrance Examination Board, P.O. Box 592, Princeton, New Jersey. Blank forms for this purpose will be sent to any teacher or candidate upon request. When ordering the forms, candidates should state whether they wish to take the April, June, September, or December tests.

In order to facilitate the arrangements for the conduct of the tests, all appli-

* The schedule does not permit a candidate to take this test and an achievement test.

cations should be filed as early as possible. Each application should be accompanied by the appropriate examination fee, which is four dollars for candidates who take only the Scholastic Aptitude Test, six dollars for candidates taking only the Achievement Tests, and eight dollars for all other candidates. Applications and fees should reach the office of the Board not later than the dates specified in the following schedule:

	April 1945 Series	June 1945 Series	September 1945 Series	December 1945 Series
For examination centers located				
East of the Mississippi River or on the Mis- sissippi	March 17	May 12	August 15	November 10
West of the Mississippi River or in Canada, Mexico, or the West Indies	March 10	May 5	August 8	November 3
Outside of the United States, Canada, Mex- ico, and the West In- dies	February 24	April 21	————	October 20

Belated applications will be subject to a penalty fee of three dollars in addition to the regular fee.

When a candidate has failed to obtain the required blank form of application, the regular fee will be accepted if it arrives not later than the specified date and is accompanied by the candidate's name and address, the exact examination center selected, the college to which his report is to be sent, and the test or tests he is to take.

The Board will report the results of the tests to the institution indicated on the candidate's application. The colleges will, in turn, notify the candidates of the action taken upon their applications for admission. Candidates will not receive reports upon their tests from the Board.

Admission to Advanced Standing

Students who have satisfactorily completed at least a year of work at an acceptable college, scientific school, or foreign institution of equivalent grade may be admitted with such advanced credit as their previous records may warrant. In general a candidate with a good record transferring to Barnard from a similar college of equal standing will receive at Barnard a year's credit for a year's work at the institution from which she comes.

Each candidate should send to the Committee on Admissions with her application a catalogue of her college plainly marked, showing entrance credit and courses taken. These should be accompanied by an official transcript of her college record, including entrance credit. If for any reason a student cannot obtain an official record until the end of the term, she may substitute her report cards. One or the other must be in the hands of the Committee on

Admissions before the Committee on Transfers can estimate her standing in Barnard College. The Committee on Transfers will give an applicant a tentative estimate of the time she will be expected to spend at Barnard in order to secure a degree, and the prescribed work she will be asked to do. Final determination of these matters lies with the Committee on Transfers, which reserves the right of readjusting credit at any time. These reports should be received by the Committee on Admissions by July 1 for admission in September and by December 1 for admission in February; otherwise action on the case may be delayed until just before the opening of college. Final action on admission depends upon (1) the honorable dismissal, (2) the certificate of good moral character from an authorized representative of her college, and (3) the certificate of adequate health.

If all credentials are not in the hands of the Committee on Admissions by Friday, September 21, the student's registration may be deferred until Saturday, September 29, involving an additional fee of \$5 for late registration.

No applicant may enter the senior class as a candidate for a degree after October 15 in any year, and no student will receive a degree who has resided less than two full sessions at Barnard College. It is, however, rarely possible even for a good student to secure a degree in this minimum period of residence. (See also paragraph 7, page 32.)

A candidate for admission with advanced standing from a junior college may be asked to take some form of examination for admission, and if admitted, will be allowed to enter courses that succeed her junior college courses. No definite credit for her junior college work can be assigned until after she has had an opportunity to establish a good record at Barnard.

Admission as Special Students

Women who wish, without working toward a degree, to make a serious study of some subject or group of subjects, may, with the approval of the Committee on Admissions, enter Barnard as nonmatriculants, not candidates for the degree. They need not pass formal entrance examinations, but they must submit satisfactory credentials in regard to character and qualifications for the courses they wish to take.

Candidates for admission as nonmatriculants must be mature. They may not pursue merely elementary courses. They must not, within ten months of the time of application, have been rejected or become deficient as regular students.

They will be held to the observance of the same regulations as to attendance, examination in course, proficiency, and deficiency as regular students. They are also subject to the usual health regulations (see page 18).

They are entitled to a formal statement as to the satisfactory completion of the work that they have taken. They may, in view of a good record in college courses, be transferred by the Committee on Instruction to the matriculated basis as candidates for a degree.

REGISTRATION

Before attending any University exercise each student shall comply with the regulations in regard to registration and payment of fees. Every new student shall present herself in person at the office of the Registrar and shall there file a registration form and a statement of the courses which she has been authorized to pursue. Students already in college shall give notice of their choice of courses for each session to the Registrar on dates to be announced. Failure to file a program during the proper period will cause the student to incur a fine of \$10. Students in college who defer filing programs from April until after Commencement will incur a fine of \$20.

In September the office of the Registrar will be open for registration of new students only on Monday and Tuesday, September 24 and 25, 1945. Old students will register by mail. Bills, accompanied by checks or money orders, and any other documents required by the Bursar, and by University directory cards, must be mailed so that they bear the postmark of the dates specified by the Registrar, which will be approximately September 15 for the fall term and January 15 for the spring term. Failure to mail bills on time will entail a late registration fee of \$5.

New students entering in February may register only on Tuesday, February 5, 1946.

New students registering late are charged an additional fee of \$5 and are held accountable for absences thus incurred.

Each person whose registration has been completed will be considered a student of the University during the period for which such registration is held valid. No student registering in Barnard shall at the same time be registered in any other school or college, either of Columbia University or of any other institution, without the consent of the Dean.

Withdrawal

An honorable discharge will be granted to any student in good academic standing, not subject to discipline, who withdraws from the College. All students who withdraw are required to notify the Registrar. No student under the age of twenty-one years shall be entitled to a discharge without the assent of her parent or guardian furnished in writing to the Dean. (See REBATES, p. 25.)

FEES

General Statement

All fees are payable semiannually in advance (see instructions under REGISTRATION), and no reduction is made for late registration. Registration is not complete until *all* fees are paid, including residence hall fees. Inasmuch as the registration fee is charged for the actual process of fulfilling all the requirements of the Registrar's office, it is incurred when the student receives her bill and must be paid even if she withdraws before attending classes. Failure to pay fees on or before the last day of registration (see Academic Calendar) imposes automatically the statutory charge of \$5 for late registration.

In special cases, for satisfactory reasons and upon payment of a nominal fee, permission may be obtained from the Bursar to defer the payment of approximately one-half the total bill for the session until approximately mid-term—November 16 or March 29—provided that permission is granted before August 15 or December 15. *Any application for the privilege of deferred payment made after August 15 or December 15 will be considered late payment and as such will be subject to a \$5 late payment fee.* In every case where the privilege of deferred payment has been granted, each payment must be made on the due date or an additional \$5 late payment fee will be incurred.

The fees to be paid by students are subject to change at any time at the discretion of the Trustees.

Checks in payment of all fees, including those for charges in the residence halls, should read "Pay to the order of Barnard College," and should be made out for the exact amount of the payment due. As change will not be given on checks, no check which is made out for more than the correct amount will be accepted.

Every financial obligation to the College incurred by the student must be met by January 1 of the winter session or by May 1 of the spring session, if the student is to be permitted to take her examinations and receive credit for the session's work.

The privileges of the College are not available to any student who is delinquent in the payment of her fees.

(The application fee of \$10, payable when application for admission is filed, is not credited on the bill and is never refunded; it should not be confused with the registration fee, payable each session.)

For all students for each session:

- A. Registration fee \$ 10.00
This fee is included in the bill issued by the Registrar and is never refunded.

B. Tuition

- 1. For matriculated students enrolled:
 - a. For 10 points or more 215.00
 - b. For 9 points or less \$16 per point for academic work and \$5 each for English D and physical education, if these are required.
- 2. For non-matriculated students: \$16 per point for academic work and \$5 each for English D and physical education, if these are required, with a maximum fee of \$215.00.

In addition, a Student Activities fee is charged all matriculated students 3.50

Additional fees for all resident students for each session:

(A room deposit fee of \$50 is payable in advance to the residence halls to secure the assignment of a room. The entire

deposit is forfeited if written notice of withdrawal is received after August 1. In the case of students in residence during the winter session, the deposit applicable to the spring session is forfeited if written notice of withdrawal is received after December 1. In the case of students entering at the beginning of the spring session, the \$25 deposit required for that session is forfeited if written notice of withdrawal is received after December 1. The room deposit is returned if the applicant is not accepted by the College.)

A. Room	\$150.00	
Less one-half room deposit	25.00	\$125.00
	<hr/>	
B. Board	150.00	
Emergency surcharge	20.00	170.00
	<hr/>	<hr/>
		295.00

Rebates

Rebates may be allowed:

1. For courses discontinued on or before the second Saturday of each session. After that date no fees will be refunded for any course which the student may for any reason discontinue.
2. For total withdrawal from the College, when a pro rata return of fees may be authorized by the Registrar. When such a rebate is allowed *it must be applied for in writing at the time of withdrawal*, and will be reckoned from the date upon which the Registrar receives written notice from the student.
3. For residence halls fees, in case of withdrawal, only under special circumstances. If a deduction is authorized, it is never authorized on a room fee but is sometimes authorized on a board fee.

Additional Charges

Tuition for courses in applied music:

For special fee in each case, see departmental announcement of course.

Tuition for technical courses in fine arts:

*Drawing and painting *u11-u12*, each session \$25.00

Tuition for professional courses that are *not* taken for credit and for certain University classes that, with the permission of the Committee on Instruction, are taken for credit toward the Barnard degree. This varies with the course taken.

Late Registration (see page 23) 5.00

Privilege of filing program late \$10.00
For students in college who fail to file their programs for the coming session within the period announced for that purpose by the Committee on Instruction. Students in college who defer filing programs from April until after Commencement are fined \$20.

Examinations, payable in each case before the examination is held:
For each and every deficiency or special examination 3.00
(A special or deficiency examination is one taken at any time other than at the conclusion of a course actually attended, whether taken prior or subsequent to admission.)
For late application 5.00
For the degree 20.00
This fee is never refunded. It must be paid on or before April 15 by candidates for the degree in June or October and by January 1 by candidates for the degree in February.

Deposits for the use of apparatus, material, and the like are required in
Chemistry 63, 64, each course 10.00
Chemistry 41, 42, 65, 66, each course 12.50
Chemistry 41a, 105, 106, 145, 146, 150, 157, 158, each course . . . 15.00

Miscellaneous Expenses Not Payable to the College

Gymnasium costume (approximate) 8.50
Textbooks and supplies per year (minimum) 20.00
Student Government dues (for resident students) 1.50

Estimated Cost for the First Year

	DAY STUDENTS	RESIDENT STUDENTS
Registration, tuition, etc.	\$ 457.00	\$ 457.00
Board and Room		640.00
Textbooks (minimum)	20.00	20.00
Gymnasium costume	8.50	8.50
Lunches, transportation, etc. (minimum)	65.00	
Student Government dues		1.50
	<hr/>	<hr/>
	\$ 552.50	\$1,127.00

This estimate does not include individual allowances for clothes, travel, amusements, supplies, etc.
For information regarding various scholarships, ranging from \$50 to \$700, which are available to students in need of assistance, see page 135.

Fees of State Scholars

Each State Scholar should file at the office of the Bursar *on the day of registration* the notice which she has received from Albany stating that a State Scholarship has been awarded to her. On the basis of this official notice she is entitled to a credit of \$50 a session.

A State Scholarship Certificate for each of these students is then sent from Albany to the Bursar, who records all necessary information and forwards the certificate to its owner. This certificate need not be presented again at the Bursar's office.

Safekeeping of Students' Funds

For the convenience and protection of students while in residence at the University the Bursar of Columbia University, in Room 310 University Hall, is prepared to receive funds for safekeeping, subject to the printed regulations, copies of which may be obtained at his office upon request. There is no charge for this service.

Personal checks will not be cashed by the University or credit allowed until the money has actually been received from the bank on which the check is drawn. However, checks, drafts, and money orders may be deposited for collection. Students should provide themselves with travelers' checks to cover their immediate expenses.

THE PROGRAM OF STUDIES

In order to provide for its students an opportunity to develop their minds, characters, and physical well-being, Barnard College has set up certain requirements for the degree and offers a wide range of courses of study. The Faculty does not believe that any one curriculum is best for all students. The requirements for the degree, therefore, constitute an elastic framework within which a great variety of curriculums can be planned, under the guidance of the different departments or interdepartmental committees, adapted to the aptitudes and interests of many types of students.

There are very few specific requirements.

The College believes that every student should be able to speak and write good English, and that her mind should be trained to think straight, weigh facts, and seek the truth. Such abilities may be developed in many courses and activities, but specifically the Faculty requires as helpful toward these ends English A and English D.

The College believes also that every student should know the laws of health and apply them to her daily living, and should develop as sound and vigorous a body as her constitution permits. To these ends the Faculty requires Hygiene A in the freshman year and Physical Education throughout the college course.

The College believes also that every student should have a fair command of at least one foreign language and through this attain some knowledge of the nature of the people to which it belongs. The Faculty, therefore, requires every

candidate for the degree to pass a test showing that she can read at sight with ease French, German, Greek, Latin, Italian, or Spanish,—with substitution of other languages permitted in special cases.

The Group Requirement

The College believes that every candidate for the degree should have enough general education to give her some knowledge of the nature of the main fields of human thought. The Faculty accordingly requires all students to distribute their work sufficiently among the three great groups in which all the subjects are classified so that they acquire at least fourteen points of credit in each group. The greater part of this group requirement is usually met in the freshman and sophomore years.

Group I is made up of the languages, literatures, and other fine arts. Each student is asked to take her fourteen points in this group mostly in courses beyond merely elementary language study.

Group II is made up of the natural sciences and mathematics. Since the Faculty believes that every educated person should have some contact with scientific method and thought, each student is required to take eight points in one of the laboratory science courses listed below.

Group III is made up of the social sciences. Believing that every educated person should have some knowledge of the long history of man, the Faculty requires that all candidates for the degree must take at least six points of History.

The Major Requirement

As the group requirement is designed to distribute the student's work to some extent in the different fields of knowledge and thus prevent undue specialization, so the major requirement is designed to prevent undue scattering by requiring that every candidate for the degree must concentrate her work sufficiently to gain a fairly thorough knowledge of one subject.

Each student selects her major at the end of her sophomore year. She then becomes subject to the requirements laid down by the department or interdepartmental committee of her choice. Under their guidance she has considerable freedom in selecting courses, but she must take at least twenty-eight points in her major subject and meet the specific prescriptions of courses in the major and related subjects. Before graduation, beginning with the Class of 1947, she must pass the major examination, which is designed to test the candidate's command of the subject, or of some definite part of the subject, as a unified and coherent whole.

Besides the program of courses listed below, the College offers its students other opportunities for attaining that general development of mind, character, and physical well-being which is its purpose. These are provided through student government, extra-curricular clubs and activities of many kinds, the social life of the residence halls and for the non-resident students, the Assemblies, the Chapel and the related religious organizations, and all those varied human contacts which constitute so important a part of college education.

Requirements for the Degree

For purposes of clearness, the requirements described above are repeated below specifically and in more detail.

The requirement for graduation is the satisfactory completion of 120 points, exclusive of the prescribed work in English D and in physical education. A point usually signifies the equivalent of one hour of classroom attendance or two hours of laboratory work per week. Thus a three-point course normally meets for three hourly periods in one week.

Upon satisfactory completion of a program arranged according to the regulations of the College, the student is recommended by the Faculty of Barnard College to the Trustees of Columbia University for the degree of Bachelor of Arts. Diplomas are issued in June, February, and October upon the completion of the requirements for the degree.

Specific Prescriptions

English A	6 points
English D	no points
Hygiene A	2 points
Physical Education, A, B, C, D	no points

Ability to read at sight with ease one of the following languages: French, German, Greek, Italian, Latin, or Spanish. This ability is tested by an examination in one of the above languages which should be taken as early as possible in the college course.

A *major subject* of at least 28 points
in Group I, II, or III (see below) and, beginning with the Class of 1947, a major examination designed to test the candidate's command of the subject, or of some definite part of the subject, as a unified and coherent whole.

Courses amounting to not less than *14 points in each* of the two remaining groups subject to the restrictions noted below . . . 28 points

Electives 56 points

Required for the degree 120 points

Groups of Study

GROUP I. Languages, Literatures, and other Fine Arts:

Ancient Art, Anthropology (Courses 5, 6, 7, 8, 107, 108, 127, 128), Classical Literatures (in translation), Comparative Linguistics, Comparative Literature, English, Esthetics (Philosophy 41-42, 45, 46, 53, 54, 145, 168), Fine Arts, French, German, Greek, Italian, Latin, Music, Portuguese, Romance Philology, Russian, Spanish.

RESTRICTIONS: The 14 points may not include (1) more than one elementary course in ancient foreign languages, (2) any first-year course in modern foreign languages, (3) English A.

GROUP II. Mathematics and Natural Sciences:

Anthropology (Courses 3, 4, 17), Astronomy, Botany, Chemistry, Geography, Geology, Logic (Philosophy 4), Mathematics, Physics, Psychology (Courses 7-8, 9, 11, 19, 22, 24, 48, 58), Statistics (Economics 18), Zoölogy.

RESTRICTIONS: 8 of the 14 points must be in one of the following laboratory sciences: botany, chemistry, geology, physics, experimental psychology, zoölogy.

GROUP III. Social Sciences:

Anthropology (Courses 1, 2, 13, 14, 51, 52), Archaeology, Classical Civilization, Economics, Geography, Government, History, Philosophy, Psychology (Courses 1, 26, 27, 28, 37), Religion, Sociology, Statistics (Economics 17).

RESTRICTIONS: All candidates for the degree, whatever their major, must take at least 6 points of history.

Program for Students Admitted by Transfer from Other Colleges

Students from other colleges transferring to Barnard College will be held to the requirements for the degree outlined on page 29, including the major, history, laboratory science, and language requirements. Of the points required for the degree 30 must be taken at Barnard, as well as a minimum of 12 points in the major subject.

In general, those students who have been admitted by transfer to Barnard College will be allowed to enter the class to which their previous records entitle them. The Committee on Transfers will determine, in conference with the student, the program of work that she shall take in the light of her previous academic record, her experience and maturity, her intellectual interests, and professional plans. In certain cases a year of probation may be required before the status of the student is exactly fixed.

Sufficiently able students may transfer to professional schools provided they have completed at entrance or at another college the equivalent of the entrance requirements to Barnard College as may be determined by the University Committee on Admissions.

Courses in the Graduate Faculties Open to Barnard Students

Certain graduate courses in Columbia University under the Faculties of Political Science, Philosophy, and Pure Science which are listed in the Barnard Announcement are open, with the consent of the department concerned and the Committee on Instruction, to specially qualified seniors. In these courses special arrangements are made for the supervision of the work of undergraduates. Since graduate work is on an entirely different basis of credit from undergraduate work, it is rarely possible for a student in Barnard College to take any graduate courses for which these special arrangements have not been made. Seniors of unusual ability may, however, be permitted in special cases to elect not more than two graduate courses in their major field.

Graduate courses, when approved by the Committee on Instruction, may be counted by an undergraduate toward the Bachelor's degree. But any undergraduate student of high standing who is within 12 points of that degree may,

with the approval of the appropriate Deans, register for graduate courses to be offered in fulfillment of the requirements for a higher degree. However, she shall not receive graduate credit in excess of the difference between 15 points and the number of points needed, at the beginning of such session, to fulfill the requirements for her Bachelor's degree.

For full information concerning the content of the courses, students are referred to the appropriate University announcements mentioned at the end of the departmental statements.

Degree with Honors

Degrees with honors will be awarded to students who have completed the work for the degree with highest distinction (*summa cum laude*), with high distinction (*magna cum laude*) and with distinction (*cum laude*).

War Majors and War Minors

Even before Pearl Harbor, Barnard College had set up a Committee on National Service to consider how its Faculty and students might better serve the nation in the period of crisis produced by the Second World War. After the entry of the United States into the war on December 8, 1941, these efforts were redoubled. It quickly became apparent that certain fields of study were so peculiarly valuable that they might be called War Majors. These are mathematics, the natural sciences, and economics with emphasis on statistics. To help students who are majoring in fields less directly connected with the war effort, the Committee on National Service devised a series of War Minors. A War Minor is a grouping of courses, totalling 12 points or more, that give training in subjects or technics for which there is a special demand in war time. Thus, students who do not have a War Major are given the opportunity to prepare themselves for effective participation in the war effort by registering for a War Minor. A special bulletin describing War Majors and War Minors has been issued by the College, and will be sent on request.

GENERAL REGULATIONS REGARDING THE PROGRAM OF STUDIES, EXAMINATIONS IN COURSE, CREDIT, AND ADVANCEMENT

ELECTION OF COURSES. Before final choice of elective studies, all students should consult their advisers (see page 145). Electives must be chosen on some consistent plan. Conflicts between courses falling at the same hours are to be avoided by careful study of the scheme of attendance at the end of this volume. Courses in one department often form valuable supplements to courses

in another, so that combinations of work under two or more departments are desirable. In all such cases the best selections can be made only after consultation with officers of the departments concerned. This applies particularly to the major subject (see page 28).

The following regulations should also be borne in mind:

1. No courses other than those specified in the Announcement may be taken except by students specially qualified to pursue them, who have obtained the consent of the Committee on Instruction.
2. The election of courses under the Graduate Faculties of Political Science, Philosophy, and Pure Science is restricted to specially qualified seniors and requires the consent of the head of the Barnard department and of the Committee on Instruction. (For further details see page 30.)
3. Specific courses in University Classes may be credited toward the Bachelor's degree under the following regulations:
 - a. Courses must be approved by the Committee on Instruction and by the Director of University Classes.
 - b. Students cannot elect more than 16 points, including the points of University Classes, at one time, without special permission of the Committee on Instruction.
 - c. Students desiring to count these courses toward the degree must obtain in them a grade of at least C.
 - d. No courses taken in University Classes will be covered by the regular tuition fees at Barnard but must be paid for over and above those fees.
4. No combination of courses amounting to less than 12 or more than 16 points may be made in any winter or in any spring session without the consent of the Committee on Instruction.
5. No credit will be given for a one-hour course, unless it is taken in connection with and as a supplement to a cognate course.
6. No more than four hours of class work, or its equivalent in laboratory work, or seven hours of class work and laboratory work combined, may be taken on the same day.
7. Of the points required for the degree, at least 30 must be taken while the student is registered in Barnard College, and at least 15 during the senior year.
8. The election of specific courses in a summer session must be approved by the Committee on Instruction of Barnard College. Except by special permission of the Committee on Instruction, granted for reasons of weight, any student whose average standing lies below 2.50 (see page 34) during the preceding academic year will be restricted to 6 points of work for a six-weeks' session and a proportionate amount for longer sessions. Summer session courses must be passed with a grade of at least C in order to be credited toward the Barnard degree.

No credit toward the degree will be allowed for work taken in a summer session without the previous approval of the Committee on Instruction, unless a report is submitted within a month of the student's return to Barnard.

9. Tuesday at 1:10 p.m. is the Assembly hour. Academic meetings at which attendance is required are often held at this time, and all students must keep the hour free from other engagements.

Time Limit for Counting Work toward a Degree. All requirements for a degree must be fulfilled by the candidate within six years from the time of her first matriculation as a freshman in college, whether at Barnard or elsewhere; within four and a half years from similar matriculation as a sophomore; within three years from similar matriculation as a junior; and within one and a half years from similar matriculation as a senior. If the candidate fails to satisfy the requirements within the time here specified, she is to lose credit for all the points gained by her toward the degree unless, in individual cases, the Faculty shall otherwise direct.

The Foreign Language Requirement. The foreign language tests are held in January, in May, and in September, and are open to students according to regulations announced from time to time by the Committee on Instruction. A student must pass the test by the time she is within 40 to 42 points of graduation. Otherwise she will be suspended until the requirement is satisfied unless, by special ruling, the Committee on Instruction permits her to remain for one session on probation with a limited program, and the suspension of credit until the test is passed. A transfer student within 40 to 42 points of graduation who fails the test will be ranked as unclassified, with no promise as to when she may expect to complete the requirements for the degree.

After a student has satisfied all other degree requirements she is permitted *only* two additional trials of the test.

Transfer students and entering freshmen who are well grounded in a foreign language are advised to try the test on arrival.

Change of Program. No change of program, by adding or by dropping a course, or by changing sections or the point-value of a course, may be made by a student without the written consent of the Committee on Instruction. Except on the initiative of the departments or of the Committee on Instruction, such change will not be allowed *after the first Monday after the opening of either the winter or the spring session.* (See also paragraph on fees, page 23.)

Absences. All students are expected to attend regularly and promptly the courses for which they are registered. Any considerable amount of absence or tardiness will result in the lowering of a student's grade or the loss of one or more points of credit.

The attendance of students on the Dean's List will not be supervised by the Committee on Instruction. The instructors, however, have authority to lower the grade in the case of undue absence or tardiness.

The attendance of all other students is under the supervision of the Com-

mittee on Instruction who, at the end of each semester, will deal with absences exceeding the number of class hours in any week, that is,

- more than 1 absence from a class meeting 1 hour a week
- more than 2 absences from a class meeting 2 hours a week
- more than 3 absences from a class meeting 3 hours a week
- more than 4 absences from a class meeting 4 hours a week
- more than 5 absences from a class meeting 5 hours a week.

Two latenesses equal one absence. Students are expected to reserve their absences for illness and other urgent reasons. Illness will be taken into consideration by the Committee on Instruction as a possible excuse for excess absence only if a statement is filed by the student in the Registrar's office immediately on her return to college.

Stated Examinations. Two series of examinations are held every year, one in January and the other in May. These are the only stated examinations. In 1946, the mid-year examinations begin on Monday, January 21, the final examinations on Monday, May 20.

Special Examinations. Special examinations are held as follows: in the week beginning on the second Monday of the spring session of each year and within the two weeks preceding the opening of the College in the fall.

Such examinations must be taken in one of the three periods for special or deficiency examinations immediately following the stated examination that was missed. They are open, by permission of the Committee on Instruction, to students who have been absent, for imperative reasons, from the stated examination in any course, provided their term work has been satisfactory.

In all cases application for permission to take a special examination must be made in writing.

For every examination taken at any time other than the stated examination period immediately following the conclusion of the course involved a fee must be paid before the student is admitted to the examination (see page 26).

Grades and Credit. The student's performance in a course is rated according to the following grades: A, excellent; B, good; C, fair; D, poor; P, passed without specific grade; F, failure. The mark *Incomplete* is given only when the student has obtained, in advance, the permission of the instructor to postpone for a short time the submission of certain outstanding term work which must be made up before a specific grade can be reported. Under the regulations of the Faculty, outstanding work that is not completed within three weeks after the end of the session automatically becomes an F.

Standing in college is determined by a valuation of each academic point according to the mark received. Each point with a mark of A counts 4; B, 3; C, 2; D, 1; F (or *absent* or *incomplete* until satisfied), 0. The average mark per point constitutes the student's rating.

No student may count for promotion from any class to the next higher class more than 6 points of D work or may be credited with more than 6 points of D work during her senior year. In case more than four years is required for her degree, not more than 24 points of D work altogether may count toward the degree. Of several courses in which a student is marked D she may choose the ones to be counted. No work of grade D may count in the major of 28

points. No work of grade D taken in a summer session or in University Classes may be counted.

At the end of the sophomore year especially, the records of all students will be carefully scrutinized and only those who have attained at Barnard College at least a C average (2 rating) or who have shown promise of future development will be permitted to continue in college and pursue the more advanced specialized study of the junior and senior years.

In order to be recommended for the degree, each student must attain at Barnard College an average of C or above for the entire course and for the senior year.

If a student fails to attain a C average at the end of four years and thus does not receive a degree at this time, the Committee on Instruction will consider her case and determine whether or not she may in future continue her candidacy for the degree and, if so, under what conditions.

Dean's List. At the end of each academic year, except the senior year, there will be compiled a Dean's List to consist of students who, in the opinion of the Committee on Honors, deserve special mention for scholarly excellence during the past year. This will be announced at the opening of the following academic year.

Additional Credit for High Standing. At the end of the winter and of the spring session, when all reports have been filed in the Registrar's office, additional credit for high standing is given as follows:

The grade A in courses aggregating 6 points of work entitles the student to 1 point of extra credit, provided she has carried a program of at least 12 points, has satisfactorily completed all the work of the session, and has not fallen below the grade B or received a report of "Absent," "Incomplete" or "Deferred" in any course.

Classification of Students. Matriculated students whose record is satisfactory to the Committee on Instruction are classified as follows:

Freshmen, those who have completed less than 24 points of academic work.

Sophomores, those who have completed 24 points.

Juniors, those who have completed 54 points.

Seniors, those who have completed 86 points.

Unclassified students, those who have not been allowed definite credits on transfer from other institutions or those who are electing less than 10 points a term.

In all cases the requirements for promotion must be met in full before the beginning of the winter session.

A student who fails to meet the requirements for advancement from one class to another may, with the consent of the Committee on Instruction, remain in college and repeat the course or courses in which her deficiency exists, or, in the case of elective courses, other courses equivalent thereto in time. She may not, however, register as a nonmatriculated special student.

Should a student fail of advancement in two successive years, she shall be permanently dismissed from the College, unless, for reasons of weight, the Committee on Instruction shall otherwise determine.

PROFESSIONAL SCHOOLS OF COLUMBIA UNIVERSITY OPEN TO BARNARD STUDENTS OR GRADUATES

The requirements for admission to the professional schools of the University vary: in some instances a Bachelor's degree is necessary; in others a student is eligible after three years, two years, or one year of successful college study. Since only a limited number of students can be accommodated, the most promising applicants are selected by the office of University Admissions.

Barnard College keeps in close touch with these schools and endeavors to give its students the best possible advice concerning preparation for them.

Barnard students preparing for admission to these professional schools must take at Barnard the courses in written and spoken English (English A and English D), Hygiene A and Physical Education, normally required of all regular students. They should also elect the subjects required by the special school they hope to enter.

Full information regarding each school may be obtained from its own special announcement, which will be sent on request by the Secretary of Columbia University.

THE COMBINED COURSE OR PROFESSIONAL OPTION

It is possible for an unusually good student to shorten her course by means of the combined course or "professional option," whereby permission is given to count the first year in a professional school in place of the senior year at Barnard. To be eligible for this privilege a student must complete at Barnard, before transferring to the professional school, 90 points of academic work including all grouped work and a major of 28 points unless this number is reduced in individual cases by special permission of the Committee on Instruction.

Students transferring to Barnard from other institutions will be granted this privilege of a "combined course" only if they have an unusually good record, and in no case will the permission of the Committee on Instruction be given until after the student has completed at least one full year of work in Barnard College.

The professional option is possible in connection with the Schools of Architecture, Dental and Oral Surgery, Law and Medicine, and in special cases, Business.

Architecture

The School of Architecture offers a course of study leading to the degree of Bachelor of Architecture. Under normal conditions, the professional degree may be obtained in four years.

The work at Barnard should include, among other courses, a full year in a foreign language (preferably French or German), in English, in mathematics, and in economics, or history, or government, or sociology. For students not candidates for the Barnard degree, the minimum requirement for admission to the School of Architecture is one year (30 points) of college work.

Business

The School of Business offers a two-year course of study leading to the degree of Bachelor of Science. The preparatory work at Barnard should include two years of English, two years of French, German, Spanish, or Italian, or their equivalent, and one year of economics. For students enrolled in the special course in accountancy, a freshman course in mathematics will be required. For students not candidates for the Barnard degree, the minimum requirement for admission is two years (60 points) of college work. For the special three-year program in professional accountancy students should be prepared to offer three years of work in liberal arts.

Dental and Oral Surgery

The School of Dental and Oral Surgery offers a four-year course of study leading to the degree of Doctor of Dental Surgery. The preparatory work at Barnard should comprise a minimum of 12 points in chemistry, including organic chemistry, and a minimum of 6 points each in English composition and literature, physics and zoölogy. Upon completion of these requirements, a dental aptitude test to determine manual dexterity must be taken. The Admissions Office of Columbia University will consider carefully the entire predental record and select the most promising candidates. The minimum requirement for admission is three years (90 points) of college work.

The next entering class will be admitted to the School of Dental and Oral Surgery in October, 1945.

Engineering

The School of Engineering has adopted for the duration of the war the curricula of the eight-term Navy College Training Program as meeting the requirements for the Bachelor of Science degree in civil, electrical, and mechanical engineering. The normal four-year (eight-term) curricula leading to the Bachelor of Science degree in chemical, industrial, metallurgical, and mining engineering will be continued as in the past but will utilize as far as possible the course offerings in the Navy program.

Under the arrangements adopted for the duration, students are admitted to the School of Engineering upon the completion of two terms of college work. In order most effectively to prepare students who may wish to continue in any one of the engineering departments, the first two college terms of study should complete the preparation in the following subjects:

- Mathematics through analytical geometry
- History 3-4 or 1-2
- English A1, A2
- Physics 11-12
- Mechanical drafting and descriptive geometry
- Drafting 1, 2
- Physical education A1, A2

For *chemical engineering, metallurgical engineering and mineral dressing*, the following must be completed prior to entering the School of Engineering:

- Chemistry: General college chemistry and qualitative analysis
- Differential calculus

Students who plan to enter these departments are urged to schedule three terms in order to complete the pre-engineering requirements.

Journalism

The Graduate School of Journalism offers a one-year course leading to the degree of Master of Science. A Bachelor's degree is required for admission to this school. Undergraduate work should, wherever possible, include courses in English composition, government of the United States, history since 1914, economics and sociology. The applicant must have completed courses totaling 96 points in liberal arts and sciences. Ability to use a typewriter is required. Some proficiency in shorthand is recommended.

Applicants with journalism experience on press boards, campus newspapers and magazines, or who have had positions in or related to journalism, should present examples of their work in these fields.

The employment of women who have completed this training in recent years indicates that journalism is an expanding profession for qualified women.

Law

The School of Law offers a three-year course of study leading to the degree of Bachelor of Laws. The three academic years may be completed in two calendar years by attending two summer sessions in addition to two winter and spring sessions. Beginning students are admitted in September, February and June. The preparatory work at Barnard must be of good grade, and should include satisfactory courses in English, in economics, and in English and United States history or the equivalent of such training. Upon completion of these requirements, the candidate's proof of fitness for study of law will be tested by a special capacity test unless waived by the Committee on Admissions. The minimum requirement for admission is three years (90 points) of college work, but the complete college course of four years is considered the most desirable preparation.

Library Service

The School of Library Service offers a one-year course of study leading to the degree of Bachelor of Science; also an advanced program for students who have completed such a year at the School of Library Service or at other accredited library schools, and who are otherwise qualified by experience and promise.

For matriculation in this school a Bachelor's degree in liberal arts subjects is required. The undergraduate work should include a reading knowledge of French or German and a knowledge of both languages is strongly advised. Evidence of fitness for library work is required of all candidates.

Medicine

The College of Physicians and Surgeons offers the equivalent of a four-year course of study leading to the degree of Doctor of Medicine. The preparatory work at Barnard must be of good grade, must include the requirements prescribed by the New York Board of Regents for a qualifying certificate, i.e., a

minimum of 12 points in chemistry, including organic chemistry, and a minimum of 6 points each in English composition and literature, in physics and in biology. Before admission to the medical school the entire premedical record of each applicant is carefully examined in order that those who are adjudged the most promising candidates for the profession may be selected. While the minimum requirement for admission is three full academic years of college work, the complete college course of four years is considered the most desirable preparation.

Nursing

Columbia University offers a three-year course at the College of Physicians and Surgeons and the Presbyterian Hospital leading to the degree of Bachelor of Science and a diploma in nursing. The preparatory work at Barnard should comprise work in chemistry, biology, psychology and sociology. The acceptance of a candidate is based on grounds of character and health as well as on the fulfillment of the academic requirements. The minimum requirement for admission is two years (60 points) of college work but students who hold the Bachelor's degree may obtain permission to complete the course in two years and four months.

Social Work

The New York School of Social Work, affiliated with Columbia University, offers a two-year course of study leading to the degree of Master of Science. The school prepares students for various types of positions in social work under both private and public auspices. Field work under the supervision of private and public agencies forms a considerable part of the curriculum.

For admission to this school a Bachelor's degree is required. The undergraduate curriculum should include a minimum of 20 points in social and biological sciences with the emphasis in the direction of the social sciences.

Enrollment is limited and the school selects from its technically eligible applicants students demonstrating fitness for training in social work. For details and for dates of application the general announcement of the school should be consulted.

Teaching

Teachers College of Columbia University and Barnard College coöperate in offering to students preparation for teaching elementary and high school subjects. In many states at least three years of special college work with certain professional courses are required of candidates for certificates to teach elementary subjects, and in most states at least a Bachelor's degree and certain professional courses are required of all candidates for certificates to teach high school subjects. There is an increasing trend toward a longer period of preparation, as indicated by the statement from the New York State Education Department that a Bachelor's degree will be required of all candidates applying for the New York State teaching certificate in elementary subjects, and a Master's degree or its equivalent will be required of all candidates applying for the New York State teaching certificate in high school academic subjects after January 1, 1943.

While it is possible for students to satisfy certain states' requirements during their undergraduate course, usually with some summer work in addition

to the regular college program, it is advantageous for undergraduates to plan for a fifth year in coöperation with Teachers College. This plan involves the last two undergraduate years and one graduate year and is open to specially qualified students. The undergraduate years will include elementary psychology and two 6-point seminars given at Teachers College for juniors and seniors of Barnard College. The fifth year will be spent mainly at Teachers College. There will be opportunity for graduate study in subjects of the major interest as well as for observation and practice teaching.

If, during their undergraduate course, students desire to meet certification requirements for teaching in nursery schools, kindergarten, or elementary schools they may transfer to the Bachelor of Science program in Teachers College for the junior and senior years.

Since only specially qualified students will be admitted to the five-year course, application should be made to the Associate Dean of Barnard College early in the sophomore year.

Union Theological Seminary

Union Theological Seminary offers courses of study leading to the degrees of Bachelor of Divinity, Master of Arts in the field of Christian Education and Master of Sacred Music.

Since accommodations at the Seminary are limited, it is necessary to select from the total number of applicants for admission those who seem best qualified, and who in the light of their expressed purpose, personality and record of scholarship give especial promise of usefulness in some form of Christian ministry. The requirement for admission to the courses of study at the Seminary is a Bachelor's degree including special work as indicated below for each degree:

a. *Bachelor of Divinity.* The preparatory work for this three-year course should include the study of philosophy, especially the history of philosophy, and courses in history, literature, economics, psychology, and at least one modern language, either French or German. A knowledge of Greek is desirable.

b. *Master of Arts* in the field of Christian Education. Preparatory work for this course should include some knowledge of the Bible, of the philosophy and ethics of the Christian religion, and of either the psychology of personality or the principles of education. Students with satisfactory preparation in these subjects may complete the work for the Master of Arts degree in one year.

c. *Master of Sacred Music.* Candidates for this degree must give evidence of the completion of an amount of work in music sufficient to enable them to enter with profit upon the courses in sacred music.

Courses in Occupational Therapy

University Extension of Columbia University offers a course of study leading to a Certificate of Proficiency in Occupational Therapy. Admission is based upon a minimum of 30 points of college work, including: English, one year; at least one semester of general psychology and one of sociology; one semester of a science (biology, chemistry, physiology, or physics). Electives

may be chosen from such subjects as physiology, science, and the social and political sciences. In addition, candidates for admission must possess personal qualifications and aptitude suited to the practice of occupational therapy. Whenever possible, aptitude will be judged in part by a personal interview.

Certificate of Proficiency in Secretarial Studies

Candidates for degrees in Columbia University and those who hold degrees from an accredited college or university may complete basic training in stenography, typewriting, and secretarial skills and upon examination obtain a Certificate of Proficiency in Secretarial Studies. Such a certificate and the training it represents will be found of value in connection with advanced study, research, and in gaining entrance upon a career in business, government, and the professions.

STATISTICS

	1889 to 1890	1894 to 1895	1899 to 1900	1904 to 1905	1909 to 1910	1914 to 1915	1919 to 1920	1924 to 1925	1930 to 1931	1931 to 1932	1932 to 1933	1933 to 1934	1934 to 1935	1935 to 1936	1936 to 1937	1937 to 1938	1938 to 1939	1939 to 1940	1940 to 1941	1941 to 1942	1942 to 1943	1943 to 1944	1944 to 1945
UNDERGRADUATES, REGULAR:																							
Seniors . . . . .	..	9	40	83	62	*123	87	*126	189	195	*213	170	*181	*189	*183	*200	*178	*164	172	180	*169	*173	208
Juniors . . . . .	..	18	40	71	122	110	190	259	222	230	207	229	220	209	231	196	179	191	206	185	242	271	314
Sophomores . . . . .	..	18	37	75	109	191	193	234	264	232	233	243	226	232	199	188	193	210	212	219	254	248	314
Freshmen (regular)	4	26	54	110	188	240	224	271	291	282	262	241	267	241	257	234	236	246	248	257	291	350	324
Freshmen (partly regular)	10	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Unclassified students . . . . .	..	..	..	..	..	..	..	57	62	63	93	87	103	132	135	140	137	143	129	138	57	89	56
SPECIAL STUDENTS:	14	71	171	339	481	664	694	947	1028	1002	1008	970	997	1003	1005	958	923	954	967	979	1013	1131	1216
Matriculated . . . . .	..	..	21	27	24	32	39	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Nonmatriculated . . . . .	..	..	..	..	30	32	22	33	26	42	35	32	29	24	28	28	31	31	27	30	27	23	21
Departmental (1889-1896)	22	29	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Music students (1896-1904, 1914-1915) . . . . .	..	..	41	..	..	5	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
GRADUATE STUDENTS (1890- 1900)	22	29	62	27	54	69	61	33	26	42	35	32	29	24	28	28	31	31	27	30	27	23	21
TOTAL STUDENTS PRIMARILY REGISTERED AT BARNARD . . . . .	..	19	82	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
STUDENTS FROM COLUMBIA UNIVERSITY	36	119	315	366	535	733	755	980	1054	1044	1043	1002	1026	1027	1033	986	954	985	994	1009	1040	1154	1237
STUDENTS FROM TEACHERS COLLEGE . . . . .	..	..	..	62	59	28	80	153	195	167	143	118	163	171	174	114	119	92	88	66	60	37	77
TOTAL STUDENTS FROM OTHER PARTS OF THE UNIVERSITY . . . . .	..	..	18	77	200	*108	38	50	45	46	29	37	21	48	25	22	26	20	25	11	8	1	12
TOTAL REGISTRATION . . . . .	..	..	18	139	259	136	118	203	240	213	172	155	184	219	199	136	145	112	113	77	68	38	89
DEGREES CONFERRED:	36	119	333	505	794	869	873	1183	1294	1257	1215	1157	1210	1246	1232	1122	1099	1097	1107	1086	1108	1192	1326
A.B. . . . .	..	8	39	83	88	141	139	198	218	219	231	200	221	219	210	245	216	206	209	221	201	216	..
B.S. (1909-1918) . . . . .	..	..	..	..	2	8	5	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
A.M. (1894-1900) . . . . .	..	1	18	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ph.D. (1895-1900) . . . . .	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

TOTAL BACHELORS' DEGREES CONFERRED 1893-1944: A.B., 7200; B.S., 77.

* The figures for seniors include students counting the first year in a professional school of the University in place of the fourth year at Barnard as follows:

1913-14	18 in Education	1924-25	1 in Medicine	1932-33	2 in Journalism,	1937-38	3 in Law
1914-15	3 in Education	1926-27	2 in Medicine	1933-34	2 in Medicine	1938-39	1 in Architecture,
1916-17	1 in Journalism	1927-28	1 in Architecture,	1934-35	1 in Law,	1939-40	1 in Medicine
1921-22	1 in Journalism	1	1 in Business,	1935-36	1 in Medicine	1942-43	1 in Law
1922-23	1 in Journalism	2 in Journalism	2 in Journalism	1936-37	2 in Medicine	1943-44	1 in Law
1923-24	2 in Journalism,	1 in Architecture,	1 in Journalism				
1	1 in Medicine						

DEPARTMENTAL STATEMENTS

The following general regulations apply to all courses. The paragraphs on "The Program of Studies," page 27, should be carefully read.

PREREQUISITES AND CREDIT. Admission to courses depends upon completion of the prerequisites as stated for each course. When no department is named, it is to be assumed that the reference is to a numbered course in the same department. In all cases the requirements as to prerequisites for any course must be completed before the beginning of the winter or of the spring session in which the course is given. Where no prerequisite is stated and where no limitation is noted, the course may be taken for the degree by any student of the college.

No credit in points will be given for a course which is taken subsequent to the course or courses for which it is in any way a prerequisite, though not formally so announced. Courses must be taken for the credit value announced—for no more or no less.

EXAMINATION GROUPS. Courses in Barnard College are arranged in examination groups in order to avoid conflicts on the examination schedule. These groups are indicated by Arabic **boldface** numerals in brackets immediately following the statement of points. *Group O* includes courses which ordinarily do not have set examinations. No student may elect two courses in the same examination groups (except *Group O*) *without making special arrangements through the Registrar's office* for doing so. (See page 126.)

DESIGNATION OF COURSES. Courses designated by capital letters are prescribed. Elective courses are designated by numbers, odd numbers indicating the winter session, and even numbers the spring session. A compound course is therefore designated by an odd number and the succeeding even number. The numbers from 1 to 99 inclusive are given to courses open only to undergraduates; the numbers from 100 to 199 inclusive are given to courses open to both undergraduates and graduates, the lower numbers in each case being used for the introductory courses.

Indivisible courses are announced with a hyphen between the numerals (e.g., History 1-2) and are regarded as full-year courses of which the first half is always assumed to be prerequisite for admission to the second half, and, except for reasons of weight, and with the written consent of the instructor and the Committee on Instruction, no credit will be given for work dropped at the midyear or before the completion of the course.

Divisible courses are announced with a comma between the numerals (e.g., English 1, 2). Of these courses the first half may be taken separately but is ordinarily assumed to be prerequisite to the second half. *Therefore, admission to the second half of a divisible course is granted only when all prerequisites have been met and the written consent of the instructor obtained.*

A Roman numeral in parentheses after the hour indicates the section number (e.g., M., W. and F. at 9 (I), at 10 (II), etc.).

COURSES AT COLUMBIA UNIVERSITY OR TEACHERS COLLEGE. Courses marked with an asterisk (*) are given at Columbia University. (See page 30.)

Courses marked with a dagger (†) are given at Teachers College. *Work at Teachers College mentioned herein may be pursued only by regularly enrolled students of Barnard College and only when counting toward the Barnard College degree. Certain courses not here specified as being open at Teachers College may, through the courtesy of Teachers College and with the consent of the Committee on Instruction, be taken by specially qualified seniors.*

WITHDRAWAL OF COURSES. When an announced course has not been applied for by at least three candidates for the degree, the instructor may withdraw it.

TEXTBOOKS, etc. For further detailed information in regard to topics, textbooks, or methods in any particular course students are referred to the instructors.

INTERDEPARTMENTAL MAJORS

AMERICAN STUDIES

Designed to give students an opportunity to concentrate on a study of American civilization from the aspects of economics, government, history, literature, philosophy, and sociology, with some contact with related fields.

Chairman for 1945-46, PROFESSOR REYNARD.

Students wishing to major in American Studies should apply for permission in the second term of their sophomore year. The program of each student will be planned in consultation with a member of the Committee on American Studies.

Students looking forward to becoming majors in American Studies are advised to take the following courses during their freshman and sophomore years:

A. *History* 9, 10 (to be taken preferably in the sophomore year)

B. At least 12 points from the following *Basic Courses*:

Economics 1, 2

English 77, 78

Government 1, 2

Philosophy 70

Sociology 1-2

After being admitted as majors, students should take

A. At least 18 points in one of the *Fields of Specialization* listed below.

B. *American Studies* 1-2 and *American Studies* 3-4.

C. Additional work in the *Basic Courses* or in related subjects.

FIELDS OF SPECIALIZATION:

Economics, Government, History, Literature and Philosophy, Sociology

RELATED FIELDS:

Anthropology, Geography and Geology, Religion

AMERICAN STUDIES 1-2. *Special seminar for junior majors. Full-year course. Hours to be arranged. 6 points.*

AMERICAN STUDIES 3-4. An integrated study of American culture, emphasizing for each student her *Field of Specialization*. The course stresses seminar and tutorial work, and extensive reading. Members of the participating departments preside over the seminars. Full-year course.

Open only to senior majors in American Studies. Tu., 3-5. 8 points. [13]

PROGRAM FOR HOSPITAL LABORATORY WORKERS

This program is intended to give the basic training in science essential for working in hospital laboratories. Each student must satisfy the usual requirements for the degree and, in addition, must follow certain specific courses in botany, chemistry, mathematics, physics, and zoölogy.

Students interested in this program should consult Professor Gregory.

INTERNATIONAL STUDIES

Designed to prepare students for government work connected with winning the war and for participation in post-war relief and reconstruction.

The major in International Studies is open only to a limited number of unusually well-qualified students whose applications for admission are approved by the committee in charge.

Chairman for 1945-46, PROFESSOR PEARDON.

Students majoring in International Studies will be expected to satisfy the requirements described in A, B, C, and D below.

A. Four years of college work in a modern language or the equivalent.

B. A selection, to be decided upon in consultation with the Committee on International Studies, of fundamental courses in anthropology, economics, fine arts, geography, government, history, and sociology. This requirement, and the general requirement for a candidate for the degree of Bachelor of Arts described on page 29 should be satisfied before the end of the junior year.

C. In the fourth year students will be expected to specialize in certain regions, e.g., the Far East, Latin America, the British Empire, Europe, with particular reference to one country.

D. In the fourth year they will also be required to take an interdepartmental seminar in International Studies.

INTERNATIONAL STUDIES 51-52. Special study by each student of selected aspects of her area of specialization; group discussion of topics of common interest. Full-year course.

Open only to senior majors in International Studies. M., 3-5. 6 points. [0]

MISS DAVIES.

OTHER INTERDEPARTMENTAL MAJORS

For information relating to interdepartmental majors involving two departments only, i.e., GOVERNMENT and HISTORY, GOVERNMENT and ECONOMICS, ECONOMICS and SOCIOLOGY, see departmental statements.

As a result of the war emergency, there is considerable need for students even partially trained in various types of welfare work, personnel work and

group work, nursery school work, community organization, social investigation and counseling. Students who wish to prepare themselves for these fields may do so by taking certain sequences of courses toward a major in sociology or in psychology. Students who are interested should consult one of the two departments, and should read the special memoranda on *Training for Welfare Work* and *Training for Personnel Work*.

INTERDEPARTMENTAL COURSES

AMERICA AND THE FUTURE

PHILOSOPHY 91, 92. SCHEMES FOR A BETTER WORLD—A BACKWARD LOOK OVER THE UTOPIAN IDEALS OF THE PAST, AN APPRAISAL OF PLANS FOR THE POST-WAR WORLD AND A TAKING STOCK OF THE MEANS TO AN ULTIMATE ACHIEVEMENT OF THE GOOD LIFE IN THE MORE DISTANT FUTURE. The required reading will include the more important Utopias from Plato to the present time supplemented by certain great satires on man and society and works in the field of the social sciences. Class meetings will be devoted in part to a consideration of the texts and in part to symposia in which members of the staff and guest speakers will discuss with one another and with the students the major difficulties that lie in the way of attaining world peace, prosperity, and happiness. In place of a final examination each student will write a serious term paper in which, within the frame of her own conception of the good life, she will treat of that aspect of the problem which she is best equipped to handle.

Open to juniors and seniors and specially qualified sophomores on written permission of the department. The course may count toward a major in philosophy and in other subjects with the consent of the departments concerned. F., 3-5. 4 or 6 points. [0]

PROFESSOR PARKHURST and DR. RICH with the collaboration of PROFESSOR MONTAGUE and guest speakers.

CONTEMPORARY PROBLEMS I (or 2R). The analysis of contemporary problems. Designed to aid in developing an intelligent approach to problems of current interest or of broad and continuing significance. There will be written and oral reports from the students and required class discussions. Reading for the course will be mainly from current newspapers, periodicals, and books.

Limited to 20 juniors and seniors who will be selected from those who make written application to the Registrar by March 15 or November 15. Not given for less than 12 students. Tu., 3-5. 2 points.

Members of various departments with the assistance of a permanent moderator.

[HISTORY OF SCIENCE 1-2. A survey of the outstanding scientific achievements in the history of mankind. By means of lectures and correlated readings the course will trace the development of science and its impact on life and thought in modern times.

Open to seniors and to qualified juniors. Not given in 1945-46.]

Members of the Departments of History, Mathematics, and the Sciences, under the supervision of a committee.

MEDIEVAL STUDIES

1-2. AN INTEGRATED STUDY OF MEDIEVAL CULTURE FROM THE ASPECTS OF FINE ARTS, HISTORY, LANGUAGE, LITERATURE, AND PHILOSOPHY, focusing for each student on one or more special subjects. Each student will be assigned to an individual tutorial adviser under whose direction she will pursue a special program of work consisting of such attendance at lectures, individual conferences with members of the faculty, reading, special research, visits to museums, etc., as may seem best for her needs, and making full use of the resources of the University and of the city. Full-year course.

Open to qualified seniors on written permission of the chairman of the committee in charge. Written application must be made before April 15 on forms to be obtained at the Registrar's office. Students wishing to apply must have taken two of the following courses or their equivalents: English 49, 50; Fine Arts 51, 52; History 17, 18; Italian 19; Philosophy 61. If admitted, they must take two more of these courses parallel to Medieval Studies 1-2. History 17, 18 must be one of those taken, either preceding or parallel. 6 points. MEMBERS OF THE DEPARTMENTS OF ENGLISH, FINE ARTS, FRENCH, GERMAN, HISTORY, ITALIAN, and PHILOSOPHY under the direction of a committee. Chairman for 1945-46, PROFESSOR STURTEVANT.

Relation to major.

Medieval Studies may be counted toward a major in the departments concerned on a variable basis subject to the approval of the departments and the Committee on Medieval Studies.

Related courses—Not required.

For students who desire a more complete integration of the various aspects of the medieval period, the Committee on Medieval Studies suggests that one or another of the following courses would be especially appropriate in connection with Medieval Studies, according to the primary interest of the individual student: English 53-54, English 57, Fine Arts 156, French 7, German 45, Music 23-24, Philosophy 145 [not to be given in 1945-46].

RENAISSANCE STUDIES

1-2. AN INTEGRATED STUDY OF THE ORIGINS OF THE MODERN ERA AS FOUND IN THE FIFTEENTH AND SIXTEENTH CENTURIES IN EUROPE, FROM THE ASPECTS OF FINE ARTS, HISTORY, LITERATURE, AND PHILOSOPHY, focusing for each student on one or more special subjects. A reading course with a special tutorial adviser for each student, culminating in a report or essay on the student's special subject. Full-year course.

Open to juniors and seniors on written permission of the committee in charge. Students should take parallel to Renaissance Studies 1-2 at least two additional courses from the following list. Hours to be arranged. 6 points.

MEMBERS OF THE DEPARTMENTS OF ENGLISH, FINE ARTS, FRENCH, HISTORY, ITALIAN, MUSIC, and PHILOSOPHY under the direction of a committee. Chairman for 1945-46, PROFESSOR HOWARD.

English 61, 62. Shakespeare. PROFESSOR LATHAM.

English 63. English Literature of the Renaissance. PROFESSOR HOWARD.

English 65, 66. English Poetry from Spenser to Milton. PROFESSOR HALLER.

Fine Arts 62. Italian Renaissance Sculpture. PROFESSOR LAWRENCE.

Fine Arts 65. Italian Renaissance Painting. PROFESSOR HELD.

Fine Arts 66. Renaissance Painting in Northern Europe. PROFESSOR HELD.

French 31, 32. The Renaissance in France. PROFESSOR ———.

Greek 12. Plato: *Apology*, Euripides (one play). PROFESSOR DAY.

History 17, 18. Medieval Civilization and the Renaissance. PROFESSOR BYRNE.

Italian 19, 20. Italian Civilization. PROFESSORS BIGONGIARI and PREZZOLINI and MISS CARBONARA.

Latin 12. Horace. PROFESSOR DAY.

Latin 22. Juvenal, Martial, Pliny. PROFESSOR HIRST.

Music 1-2. A Survey of Music. PROFESSOR MOORE.

Philosophy 61-62. The History of Philosophy. PROFESSOR MONTAGUE and DR. RICH.

ANTHROPOLOGY

GLADYS A. REICHARD, Ph.D., Associate Professor of Anthropology,
Executive officer

A major in anthropology will satisfy the requirement in Group III. Students majoring in this subject must satisfy the 14-point requirement in Group II in subjects other than anthropology. For other students, courses in anthropology will count toward the group requirement as indicated for each course by the statement made in connection with the point value.

A major in anthropology. Students majoring in anthropology will be required to take: (a) a comprehensive examination in three parts of which one will be in language, the other two according to the work pursued by the individual student, and (b) the following courses in

Anthropology. Courses 1, 2, or 3, 4.

Other fields. A reading knowledge of German and courses which will vary with the special interest of the student and must be arranged in consultation with the major department.

1, 2. INTRODUCTION TO ANTHROPOLOGY. *Winter session:* Physical relationships, language and customs of tribes of Africa, New Guinea, Polynesia, and other South Pacific islands. Their contribution to civilization, theories of origin and development. *Spring session:* The same with tribes of the new world as examples, especially tribes of the Arctic, Mexico, and South America.

Open to all excepting freshmen. Either half of this course may be taken separately. Tu., 2-4 and Th. at 1. 8 points in Group III. [9]

PROFESSOR REICHARD.

[3, 4. INTRODUCTION TO COMPARATIVE ANTHROPOLOGY. Problems of race; the growth of civilization; the historical development of industries, forms of art, society, and religion. The application of anthropological data to modern social problems; the development of reason; the emotional attitudes determining behavior; the influence of patterns determining lines of thought and action; the individual and society.

Courses 1, 2 and 3, 4 are ordinarily given in alternate years.

Open to all excepting freshmen. Either half of this course may be taken separately. 8 points in Group II. Not given in 1945-46.]

PROFESSOR REICHARD.

5, 6. INTRODUCTION TO LINGUISTICS (formerly LANGUAGE AND THOUGHT). The meaning of language and its relationship to thought and to war problems. The dependence on language of cultural forms including literature, with examples from Spanish, French, and German. Intensive analysis of modern languages.

Especially recommended for foreign students and students interested in language and linguistic problems. Course 5 is prerequisite for Course 6. Th., 3-5. (Hours may be changed to suit students registering for the course.) 4 points in Group I.

PROFESSOR REICHARD.

7, 8. THE STUDY OF UNWRITTEN LANGUAGES. Intensive study of exotic languages. Relationship of such problems to war and post-war problems.

Open only on written permission of the instructor. Hours to be arranged. 4 points in Group I.

PROFESSOR REICHARD.

[13. PRIMITIVE SOCIAL LIFE. Tribal and family organization and its reflections on marriage customs, political purpose, and territorial expansion: prestige, property, wealth, inheritance, position of women, education; birth, puberty and funeral customs; the relation of the individual to his environment and comparison of modern and primitive societies.

Open to all juniors and seniors and to specially qualified students on written permission of the instructor. 3 points in Group III. Not given in 1945-46.]

PROFESSOR REICHARD.

14. MAN AND THE SUPERNATURAL. Primitive religion: the effect of religion on motivations and behavior of people with emphasis on practical and administrative problems of native peoples (Africa, Asia, and the Pacific Islands, North and South America). Rationalistic and emotional factors in religious life. The relationship of religion to other phases of culture. Theories of origins and development.

Open to all juniors and seniors and to specially qualified students on written permission of the instructor. Tu., 9-11 and Th. at 9. 3 points in Group III. [6]

PROFESSOR REICHARD.

17. PROBLEMS OF RACE. The meaning of race: biological, linguistic, economic, social, religious, political. The nation and the melting-pot. Composition and distribution of world populations and their significance. Change in populations due to heredity, environment, migration. The basis of prejudice.

Open to sophomores, juniors and seniors. Tu., 9-11 and Th. at 9. 3 points in Group II. [6]

PROFESSOR REICHARD.

51. SEMINAR: THE NAVAJO INDIANS. Phases of Navajo organization and discussion of attitudes; special attention to contact with whites and Department of Indian Affairs.

Open only to students who have had at least one course in anthropology and with written permission of the instructor. This will be the subject of the seminar when requested by the students electing it. W. 3-5. 2 points in Group III. [10]

PROFESSOR REICHARD.

52. PROBLEMS IN ANTHROPOLOGY. The specific subject for discussion will be determined by the interests of the students electing the course.

Open only to students who have had at least one course in anthropology and with written permission of the instructor. May be taken two years in succession. W. 3-5. 2 points in Group III. [10]

PROFESSOR REICHARD.

[107. TRADITIONAL LITERATURE. Primitive literature in the old and new worlds. Form and content of tradition: the proverb, riddle, folk tale, myth, fairy tale, romance, adventure, novel, verse, and song. Types of character and plot. Mythological styles defined. This course aims to acquaint students with valuable material which is not generally known, rather than to develop mythological theories, although the latter will be briefly discussed.

Open to all juniors and seniors and to specially qualified students on written permission of the instructor. 3 points in Group I. Not given in 1945-46.]

PROFESSOR REICHARD.

[108. THE ART OF PRIMITIVE MAN. Control of technic; geometrical and representative design. Art of various groups defined. A study of proportion, of design, line and mass; of rhythm, symmetry and balance; of color. The attitude of the artist and of the social group. Theories of art.

Open to all juniors and seniors and to specially qualified students on written permission of the instructor. 3 points in Group I. Not given in 1945-46.]

PROFESSOR REICHARD.

GRADUATE COURSES

Certain graduate courses given at Columbia University are open with the consent of the department and the Committee on Instruction of Barnard College to specially qualified seniors. A description of these courses will be found in the Announcement of the Division of Philosophy, Psychology, and Anthropology.

ARCHAEOLOGY

See Fine Arts and Archaeology and Greek and Latin

ASTRONOMY

JAN SCHILT, Ph.D.,¹ Rutherford Professor of Astronomy,
Executive officer

*1-2. GENERAL ASTRONOMY. This course leads to an understanding of our knowledge concerning the structure of the solar system and the sidereal universe. Full-year introductory course.

Tu. and Th. at 11. 424 Pupin. 6 points.

PROFESSOR SCHILT.

GRADUATE COURSES

Certain graduate courses given at Columbia University are open with the consent of the department and the Committee on Instruction of Barnard College to specially qualified seniors. A description of these courses will be found in the Announcement of the Division of Mathematical and Physical Sciences. Students wishing to continue work in astronomy should note the prerequisites for the advanced courses and plan their work accordingly.

BOTANY

CORNELIA L. CAREY, Ph.D., Associate Professor of Botany,
Executive Officer

HAROLD C. BOLD, Ph.D.,² Assistant Professor of Botany

JAMES MERRY, Ph.D., Instructor in Botany

WINONA E. STONE, M.S., Instructor in Botany

A major in botany. Students majoring in botany will be required to take:

Botany. Courses 51-52, 53-54 or 55-56, and such other courses, subject to the approval of the department, as meet the particular needs and purposes of each student. Only one of the two courses, 57 and 60, may be counted toward a major.

Other fields. Other courses according to the special needs of the student.

Major students are permitted to use a limited space in the greenhouse for practical work in plant propagation.

51-52. GENERAL BOTANY. Full-year course.

A portion of the laboratory work is conducted in the greenhouse and occasional field trips are required.

Lectures: Tu. and Th. at 9. Laboratory (4 hours): Tu. and Th., 10-12 or 2-4, or, if more than 60 students elect the course, M. and W., 1-3. 8 points. [6]

PROFESSORS CAREY AND BOLD, MISS STONE and MRS. HERVEY.

[53-54. GENERAL MORPHOLOGY OF PLANTS. Full-year course.

Prerequisite, Course 51-52 or the equivalent. Occasional field trips are required. Laboratory (4 hours). 8 points. Not given in 1945-46.]

PROFESSOR BOLD OR MISS STONE.

¹Officer of Columbia University offering a course open to Barnard students.

²Absent on war service.

55-56. STRUCTURE AND RELATIONSHIPS OF FLOWERING PLANTS. Full-year course.

Prerequisite, Course 51-52 or the equivalent. M. and W. at 11. Laboratory (4 hours): M. and W., 1-3 or 2-4. 6 points. [3]

PROFESSOR BOLD OR MISS STONE.

57. THE HISTORY AND USES OF PLANTS. The place of plants in the biological picture; their utilization and significance to man.

This course does not satisfy the requirement of a laboratory science. Lectures: M. and W. at 9. Demonstrations, conferences, and trips: Th., 1-3. 3 points. [1]

DR. MERRY.

58. GENERAL PLANT PHYSIOLOGY.

Prerequisite, Course 51-52. Lectures: Tu. and Th. at 11. Laboratory (6 hours): Tu., 2-5 and Th., 1-5, in so far as possible. 5 points. [8]

PROFESSOR CAREY.

59. GENETICS. Mendelian principles of heredity, sex determination and differentiation, genetic control of development.

Prerequisite, a year of college work in either botany or zoölogy except on written permission of the instructor. Lectures: M. and W. at 3. Laboratory or conference (4 hours): M. and W., 4-5, and Tu. and Th., one hour each to be arranged. 4 points. [10]

DR. MERRY.

60. PLANT CULTURE. Theoretical discussions and practical work on plant propagation.

No previous knowledge of botany is required. This course does not satisfy the requirement of a laboratory science. Open only on written permission of the instructor. Lecture: M. at 3. Laboratory (4 hours). Hours to be arranged. 3 points. [10]

PROFESSOR BOLD OR DR. MERRY.

64. GENERAL BACTERIOLOGY.

Open only to science majors of junior or senior standing. Lectures: Tu. and Th. at 10. Laboratory (6 hours) to be arranged, preferably on Tu. and Th. 5 points. [7]

PROFESSOR CAREY.

151-152. BACTERIA AND FERMENT FUNGI. *Winter session:* General laboratory technic in bacteriology. *Spring session:* Pathogenic forms, foods, and standard methods of milk and water analysis. Lectures will include the chemistry of bacteria and immunity. Full-year course.

Prerequisite, at least a year of college work in either botany or zoölogy. Preceding or parallel, organic chemistry. Open only to properly qualified juniors and seniors. Lectures: M. and W. at 1. Laboratory (6 hours): M. and W., 9-12 or 2-5, or hours to be arranged. 10 points. [4]

PROFESSOR CAREY AND MISS COORS.

[153. PHYSIOLOGICAL ANATOMY OF VASCULAR PLANTS.

Prerequisite, Course 53-54 or 55-56, except on written permission of the instructor. 5 points. Not given in 1945-46.]

[155. PHYCOLOGY. An advanced general survey of the freshwater and marine algae.

Prerequisite, Courses 51-52 and 53-54 or the equivalent. Lectures (2 hours) and laboratory (4 hours) to be arranged. 4 points. Not given in 1945-46.]

PROFESSOR BOLD.

160. PHYSIOLOGICAL MICROBIOLOGY. General physiology of micro-organisms. Reading and reports on contemporary literature. Technic and cultivation of various groups adapted to the needs of students.

Open only on written permission of the instructor. Lectures (2 hours) and laboratory (4 to 6 hours) to be arranged. 3, 4 or 5 points.

PROFESSOR CAREY.

161, 162. ADVANCED MORPHOLOGY AND PHYSIOLOGY. Work will be planned to suit the needs of the students after consultation with the instructors.

This course may be taken in successive years. Hours and credit by arrangement. [0]

PROFESSORS CAREY and BOLD, DR. MERRY and MISS STONE.

CHEMISTRY

MARIE REIMER, Ph.D., Professor of Chemistry,

HELEN R. DOWNES, Ph.D., Associate Professor of Chemistry

Executive officer

MARION H. ARMBRUSTER, Ph.D., Assistant Professor in Chemistry

EVELYN B. EVANSON, Ph.D., Instructor in Chemistry

LUCIA S. FISHER, A.B., Lecturer in Chemistry

PHYLLIS M. DUNBAR, A.M., Lecturer in Chemistry

A major in chemistry. Students majoring in chemistry will be required to take:

Chemistry. Courses 5-6, 63, 64, and 41-42. Course 105 is strongly advised.

Other fields. Physics—a year's work in general physics. Mathematics 7-8 or 1 and 22. A course in calculus is advised. A reading knowledge of German to be acquired by the beginning of the third year's work. A reading knowledge of French is also advised for students specializing in chemistry.

5-6. GENERAL INORGANIC CHEMISTRY. Full-year course.

Preceding or parallel, Mathematics 7-8 or 1 and 22. Lectures: Tu. and Th. at 10 and a third hour, S. at 10 or F. at 1. The S. hour is intended primarily for freshmen. Laboratory: For students who are beginning the subject (I) W. or Th., 2-4:30. For students who have had high school chemistry (II) M. or

Tu., 2-4:30. In order to obtain full credit for the course a student who has had high school chemistry must take laboratory section (II). 8 points. [7]

PROFESSORS REIMER, DOWNES and ARMBRUSTER, MRS. FISHER and MISS CORSON.

63, 64. QUALITATIVE AND QUANTITATIVE ANALYSIS.

Prerequisite, Course 5-6. Laboratory deposit, \$10 each session. Lectures: M., W. and F. at 10. Laboratory (6 hours): M. and W., 1-4 or Tu., 2-5 and Th., 1-4. 12 points. [2]

DR. EVANSON and MISS DUNBAR.

65, 66. QUANTITATIVE ANALYSIS, ADVANCED COURSE.

Prerequisite, Course 63, 64. Laboratory deposit, \$12.50 each session. This course is designed to meet the needs of individual students and will be given for a class of five or more. Lecture: F. at 1. Laboratory (6 hours): Tu., 2-5 and Th., 1-4. 8 points. [4]

DR. EVANSON.

41-42. ORGANIC CHEMISTRY. Full-year course.

Prerequisite, Course 5-6 and, except on written permission of the department, Course 63, 64. Laboratory deposit, \$12.50 each session. Lectures: M., W. and F. at 9. Laboratory (a minimum of 6 hours): M. and W., 2-5 or Tu. and Th., 9-12. 12 points. [1]

PROFESSORS REIMER and DOWNES and MISS ROTHER.

41a. ORGANIC CHEMISTRY, SHORTER COURSE.

Prerequisite, Course 5-6. Laboratory deposit, \$15. This course will be given for a class of five or more. Lectures: M., W. and F. at 9. Laboratory (a minimum of 6 hours): Tu. and Th., 2-5. 6 points. [1]

PROFESSOR DOWNES and MISS ROTHER.

105, 106. PHYSICAL CHEMISTRY.

Prerequisite, Courses 63, 64, 41-42; Physics 11-12 and a course in calculus. Laboratory deposit, \$15 each session. Lectures: M., W. and F. at 10. Laboratory (a minimum of 6 hours): M. and W., 1-4. 12 points. [2]

PROFESSOR ARMBRUSTER.

145, 146. ORGANIC CHEMISTRY, ADVANCED COURSE.

Prerequisite, Courses 5-6, 63, 64, 41-42. Laboratory deposit, \$15 each session. Lectures: M., W. and F. at 11 (Winter session), at 2 (Spring session). Laboratory (a minimum of 6 hours): Tu. and Th., 2-5. 12 points. [3]

PROFESSORS REIMER and DOWNES.

150. PHYSIOLOGICAL CHEMISTRY.

Prerequisite, Courses 63, 64, 41-42; Zoölogy 1-2. Zoölogy 97-98 is strongly recommended as a parallel course. Laboratory deposit, \$15. Lectures: M., W. and F. at 11. Laboratory (6 hours): Tu. and Th., 2-5. 6 points. [3]

PROFESSOR DOWNES.

157, 158. PROBLEMS IN CHEMISTRY. Lectures, conferences and laboratory work on advanced topics in organic or inorganic chemistry, or micro-analysis.

Open only to advanced students. Laboratory deposit, \$15 each session. Hours and credit by arrangement.

PROFESSORS REIMER, DOWNES AND ARMBRUSTER and DR. EVANSON.

CHINESE

**Chinese* 101-102. Elementary Chinese. PROFESSOR GOODRICH.

**Chinese* 103-104. Second year Chinese. PROFESSOR GOODRICH.

**Chinese* 105-106. Classical Chinese. PROFESSOR WANG.

These and other courses in Chinese language, history, and culture are open to qualified Barnard students in special cases.

CLASSICAL CIVILIZATION

See Greek and Latin

COMPARATIVE LITERATURE¹

5, 6. DEVELOPMENT OF ITALIAN DRAMA AND ITS INFLUENCE UPON ENGLISH DRAMA. The *laudi* and the *sacre rappresentazioni*; the theatre of Machiavelli; the influence of the tragedies of Seneca; the comedy of the sixteenth century; the *novelle* and their utilization by playwrights; the rustic drama—Beolco, etc.; the *Commedia dell'Arte* and the Masks; the birth of the opera; Goldoni and the bourgeois stage; the dramatic fables of Carlo Gozzi; Benelli and the historic travesties; Pirandello.

Lectures, discussions and readings. The lectures on costumes, on the masks, on the construction of the classical theatre, on sceneography will be illustrated by slides. For the lectures on the early opera, ample use will be made of musical records. Open to juniors and seniors. Recommended for English majors. Tu. and Th. at 9 and a third hour to be arranged. 3 points. [6]

PROFESSOR RICCIO.

DRAMA

For the student who is particularly interested in dramatic literature and its development—both historical and technical—the following courses are recommended. Details regarding them may be found on the pages noted.

The attention of the student who wishes to obtain a thorough knowledge of the collateral development and interrelationship of the drama in England and on the continent is directed to Group B.

For a more intensive study of certain dramatists and their works and influence, courses in Group C should be elected, after a study of some phase of the development of the drama.

For students interested in modern drama, Group D, some knowledge of preceding development is desirable.

The writing of plays and work on the stage as author, director, and actor, as in Group E, invests the student with some technical knowledge of the structure and production of plays and the problems which arise from the stage and the conventions of certain periods.

(Note. Except where specified, all texts are read in their original tongues.)

¹All courses are conducted in English.

GROUP A—THE CLASSICAL DRAMA

Archaeology 71. The Greek and Roman Theatre. PROFESSOR BIEBER. See page 86.

Greek 21. Greek Tragedy. PROFESSOR DAY. See page 87.

Greek 22. Greek Comedy: Two Plays of Aristophanes. See page 87.

GROUP B—THE HISTORY OF THE DRAMA

Comp. Lit. 6. Development of Italian Drama and Its Influence upon English Drama. PROFESSOR RICCIO. See page 55.

Spanish 17-18. The Spanish Drama of the Golden Age. PROFESSOR DEL RÍO. See page 123.

GROUP C—DRAMATISTS

English 61-62. Shakespeare. PROFESSOR LATHAM. See page 67.

German 5, 6. Lessing, Goethe, and Schiller. PROFESSOR PUCKETT. See page 80.

GROUP D—MODERN DRAMA

German 25, 26. The Drama of the Nineteenth Century. MRS. STABENAU. See page 81.

Spanish 22. Contemporary Spanish Literature. PROFESSOR DEL RÍO. See page 123.

GROUP E—PLAY WRITING

English 15, 16. Play Writing. PROFESSOR LATHAM. See page 64.

English 81. Dramatic Workshop. MR. RUBEN. See page 64.

English 83, 84. Radio Workshop. PROFESSOR GREET and ———. See page 64.

Wigs and Cues, the Barnard dramatic club, offers opportunities for experience in directing, acting, stagecraft, and producing.

The Columbia University Radio Club offers opportunities for broadcasting experience over the local station CURC.

ECONOMICS

ELIZABETH FAULKNER BAKER, Ph.D., Associate Professor of Economics,
Executive officer

RAYMOND J. SAULNIER, Ph.D., Assistant Professor of Economics

CLARA ELIOT, Ph.D., Associate in Economics

DONALD B. MARSH, Ph.D., Instructor in Economics

CHARLOTTE MULLER, Lecturer in Economics

A major in economics. Students majoring in economics will be required to take:

Economics. Courses 1, 2, 13 or 14, 17, and 27 or 28. Beyond these courses the work will vary with the interests of the students. Advanced courses may be taken parallel to Courses 13 or 14 and 17, and in some cases parallel to Economics 2.

Other social sciences. In view of the essential unity of the social sciences every student majoring in economics is required to take courses amounting to 12 points in two of the following departments, as selected in conference with her adviser: anthropology, geography, government, history, philosophy, psychology, religion, sociology.

A major in economics and sociology. Students majoring in economics and sociology will be required to take:

Economics 1, 2, 13 or 14, 17, 27 or 28; *Sociology* 1-2 and 31, 32 and at least one additional course in economics or in sociology. Only one introductory course may count toward the major.

Other social sciences. See requirement stated above.

A major in economics and government. Students majoring in economics and government will be required to take:

Economics 1, 2, 13 or 14, 17, 27 or 28; *Government* 1, 2, 3, 4, 25, 26 and at least one additional course in economics or in government.

Other social sciences. See requirement stated above.

See also *American Studies*, page 44.

1, 2. INTRODUCTORY ECONOMICS. *Winter session:* The functions of an economic system; economic institutions and how they work (corporations, the stock market, the monetary and banking system, social security, labor unions); private enterprise and the role of the government in policing, directing, or stimulating the economy; the record of our economy in achieving "stability," "full employment," "efficiency in the use of resources," and "equity in the distribution of income." *Spring session:* Economic principles as a guide to policy under competition and monopoly. Economic analysis applied to problems of foreign trade, taxation, and fiscal policy, public ownership and economic planning. Private enterprise as compared to some of its modifications or alternatives ("planned economy," Socialism, Communism, Fascism).

Open to students of all classes. Course 1 is prerequisite for Course 2. M., W. and F. at 10 (I), at 2 (II); Tu. and Th. at 11 and Th. at 1 (III); also, for freshmen only, M., W. and F. at 9 (IV). Each section is limited to 30 students. 6 points. [18]

PROFESSORS BAKER and SAULNIER, DRS. ELIOT and MARSH.

4. ECONOMIC PROBLEMS OF THE CONSUMER. The consumer's role in wartime. Economics of rationing, price-fixing, consumer credit, "fair price" laws, etc. Protection of the consumer by the government, by consumer organizations. The coöperative movement. Possible post-war changes. Field trips to testing laboratories, housing projects, coöperative centers, etc. Students will work on special topics selected with consideration of their interests and their previous experience and training.

Tu. and Th. at 2. 3 points. [9]

DR. ELIOT.

13, 14. DEVELOPMENT OF CAPITALIST INSTITUTIONS. A survey of the development of our present economic society, with special emphasis on western

Europe and on the United States. *Winter Session:* The genesis of capitalist forms in ancient and medieval Europe. Technological and economic changes in the eighteenth and nineteenth centuries. The development of those financial institutions, forms of business enterprise, and technics of private and governmental control characteristic of capitalism in twentieth-century Europe. *Spring session:* The development of the American economy from colonial times. Early American mercantile capitalism. Industrial and finance capitalism in the nineteenth and twentieth centuries. Structural changes in the economy: types of production, employment, and industrial organization. The impact of two World Wars on the American economy.

Open to all excepting freshmen. Tu. and Th. at 11 and a third hour to be arranged. 6 points. [8]

MRS. MULLER.

15, 16. POST-WAR ECONOMIC PLANNING. Some of the theoretical and practical problems of a governmentally planned economy. Emphasis is placed upon that form of "minimum planning" now widely urged to maintain full employment after the war. *Winter session:* "Fiscal Policy and Economic Planning": The expenditure and revenue of government in peace and war. The relation of public finance to non-fiscal ends such as maintaining full employment and securing the optimum use of economic resources. *Spring session:* "International Aspects of National Planning": The international repercussions of national efforts to secure full employment and the optimum allocation of resources. Related problems of international investment and business cycles. The dilemma of national economic autonomy and international order as it applies to the collection and payment of international debts (indemnities, reparations, lend-lease obligations), foreign exchange policy, restrictions on imports and exports.

Prerequisite, Course 1 or the equivalent. Tu. and Th. at 9 and a third hour to be arranged. 6 points. [6]

DR. MARSH.

17, 18. INTRODUCTION TO STATISTICAL ANALYSIS. *Winter session:* The gathering of statistical data; tabulation; graphic presentation; simpler methods of summarization and comparison. The normal curve, sampling, and unreliability. Statistical fallacies. Illustrations from various sciences. Possibilities and limitations of the statistical method. *Spring session:* Index numbers; analysis of time-series; correlation; analysis of variance.

Open to all excepting freshmen. Course 17 or the equivalent is prerequisite for Course 18. (Course 18 counts in Group II unless taken as part of a major in economics or sociology in which case it may count toward that major, and the 14-point requirement in Group II must be satisfied in other subjects.) Tu. and Th. at 10 and a laboratory hour to be arranged. 6 points. [7]

DR. ELIOT.

[19. LABOR ECONOMICS AND LABOR PROBLEMS. An introduction to the analysis of the problems of American labor in a changing capitalistic system and in a period of world war: unemployment, wages and their determination, hours, sub-standard workers, migratory labor, the struggle for economic security,

labor organization and the ideal of "democracy in industry," scientific management and modern personnel administration.

The work of the fourth point will cover some special phase of this subject. Prerequisite, Course 1 and preferably Course 2 or their equivalents. This course is recommended for students interested in personnel work. Given in alternate years. 3 or 4 points. Not given in 1945-46.]

PROFESSOR BAKER.

[20. LABOR UNIONISM AND LABOR RELATIONS. Analysis of the historical attempts of organized labor to improve the social and economic status of the working people. What labor is fighting for in World War II and its plans for full employment and security after the war. The struggle between the A.F.L. and the C.I.O., attitudes and policies of management, U. S. Supreme Court decisions, the work of the U. S. Conciliation Service, the National and State Labor Relations Boards, the Railroad Labor Board, the National War Labor Board. The comparative status of British, Swedish, and Russian labor.

The work of the fourth point will cover some special phase of the subject. Prerequisite, Course 1 and preferably Courses 2 and 19 or their equivalents. This course is recommended for students interested in personnel work. Given in alternate years. 3 or 4 points. Not given in 1945-46.]

PROFESSOR BAKER.

21. CORPORATION FINANCE AND INVESTMENT. An introduction to the development and present nature of financial and business organization, with respect to the investor, the worker, the consumer, and the economy as a whole. The nature and function of corporate securities in capital formation, promotion, capitalization. The meaning and uses of financial statements. The principles and practices of investment are studied in connection with a class project which includes following the financial sections of the newspapers and observing the attempt of the Securities and Exchange Commission to protect investors.

The work of the fourth point will cover some special phase of this subject. Prerequisite, Course 1. Given in alternate years. M., W. and F. at 10. 3 or 4 points. [2]

PROFESSOR BAKER.

22. BUSINESS ENTERPRISE AND PERSONNEL ADMINISTRATION. The business organization as a going concern dealing with its problems of marketing, production, personnel, and finance with special reference to wartime problems and post-war readjustment. The rôle of the government in the regulation of business enterprise on behalf of stockholders and bondholders, workers, and consumers.

The work of the fourth point will cover some special phase of this subject. Prerequisite, Course 1 and preferably Courses 2 and 21 also. This course is recommended for students interested in personnel work. Given in alternate years. M., W. and F. at 10. 3 or 4 points. [2]

PROFESSOR BAKER.

27. ECONOMIC THEORY. Neo-classical economic theory modified by recent elaboration and criticism. Neo-classical tools of analysis are discussed from the

point of view of their historical development, final form, and modern use. The theory of imperfect and monopolistic competition is considered part of the neo-classical system; while contemporary statements of alternative systems of economic thought form the basis of a brief comparative study emphasizing the possible integration of old and new.

Prerequisite, Course 1, 2. M., W. and F. at 11. 3 points. [3]

DR. MARSH.

28. COMPARATIVE ECONOMIC THEORY. The development of economic thought since 1776. Special attention will be paid to heretics such as Malthus, Marx, George, Veblen, Hobson, Commons, Mitchell, Keynes, *et al.* An attempt will be made to describe the impact of each upon the conventional economic thought of his time, as well as to compare his theory with the latest refinements of neo-classical economics. Readings will be assigned in the authors' original works and in commentaries on these works. Standard histories of economic thought will be used for reference purposes.

Prerequisite, Course 1. M., W. and F. at 11. 3 points. [3]

DR. MARSH.

29. STATISTICAL RESEARCH. Special problems in social science selected with reference to the interest of the individual student. The emphasis is on the application of methods in actual statistical investigation, in the field when practicable, rather than on acquisition of further theory or technic. Such experience can lead to work in governmental, personnel, or social work statistics, etc.

Prerequisite, Course 17 and the written permission of the instructor. Hours to be arranged. 3 points.

DR. ELIOT.

41, 42. READINGS IN CURRENT ECONOMIC PROBLEMS. An introduction to a broad range of current literature bearing mainly on economic but necessarily also on social and political issues. Readings will relate to the main problems raised by transition from a war to a peace economy. So far as possible the subject matter will be selected to meet the special interests of the students.

Open to juniors and seniors who have had Course 1. F., 4-6. 6 points. [18]

PROFESSOR SAULNIER.

51, 52. SEMINAR: Labor and Personnel Problems. Group study and discussion, with special relation to problems of wartime and of reconversion from war to peace, accompanied by the writing of term papers upon which students will make periodic reports.

Open only on written permission of the instructor. W., 4-6 or hours to be arranged. 6 points. [0]

PROFESSOR BAKER.

*ECONOMICS 157-158. FINANCIAL INSTITUTIONS. An examination of the principal institutions comprising the financial system of the United States. Attention is given to the business financing and investing operations of commercial banks, to the supplying of equity and long-term debt funds, to the financing of consumer expenditures, and to the direct lending and credit-insuring

activities of government agencies. Special attention is given to the holdings of public debt by financial institutions and to the effect of banking operations on the flow of money payments and the process of capital formation.

Open to seniors. Prerequisite, Course 1, 2 and at least two other courses in economics. M. and W. at 2. Fayerweather Hall. 6 points.

PROFESSOR SAULNIER.

GRADUATE COURSES

Certain graduate courses given at Columbia University are open with the consent of the department and the Committee on Instruction of Barnard College to specially qualified seniors. A description of these courses will be found in the Announcement of the Division of History, Economics, Public Law, and Sociology. The following are specially recommended as suitable for Barnard seniors:

**Economics 101-102. Public Finance. PROFESSOR HAIG. 6 points.*

**Economics 161. The Regulation of Public Utilities. PROFESSOR BONBRIGHT. 3 points.*

**Statistics 201-202. Economic Statistics. PROFESSOR MILLS. 6 points.*

COLUMBIA COLLEGE COURSES

The following course is recommended as suitable for qualified Barnard students:

**Statistics 3-4. Statistical Methods and Their Applications. PROFESSOR CROXTON. 6 points.*

EDUCATION

Courses in education will not satisfy the 14-point requirement in any group.

Note. Barnard College students will not be allowed to take, in any one year, more than six points in the education courses listed below.

†51ES, 52ES. EDUCATION SEMINAR FOR JUNIORS. An introduction for liberal arts students to the problems of education as a profession, aiming to give prospective teachers an understanding of important elements in good teaching, namely, the major fields of organized knowledge, various educational points of view and their historical development in America, the important characteristics of children and adolescents as they grow and develop, and the wider culture as it affects education. As the year progresses, increasing attention will be given to observations of child development and school situations.

M. at 2 and W., 2-4. 6 points. [5]

PROFESSOR BUTTS, DR. LINDEN and DR. MCHUGH.

†53ES, 54ES. EDUCATION SEMINAR FOR SENIORS. A continuation of the professional orientation started in the preceding course, with special attention to: the psychological bases of the learning process; the psychology of learning as applied to various subjects; the technics and materials of good instruction; curriculum trends; organizational problems and community relationships affecting secondary school teachers. During the year students will have

increasing opportunities to gain, at first hand, an understanding of the problems of teaching through demonstrations, observation, and participation in classroom situations.

Prerequisite, Course 51ES, 52ES or the equivalent. Tu. at 2 and Th., 2-4. 6 points. [9]

PROFESSOR WOODRING and DR. MCHUGH.

Other courses offered at Teachers College are open under certain conditions to specially qualified seniors with the consent of the Committee on Instruction of Barnard College and the instructor in Teachers College. These courses include methods of teaching elementary and high school subjects, including observation and participation. For further information the students should consult the Associate Dean of Barnard College.

ENGLISH

WILLIAM HALLER, Ph.D., Professor of English
MINOR W. LATHAM, Ph.D.,² Professor of English,
Executive officer

CLARE M. HOWARD, Ph.D., Associate Professor of English
W. CABELL GREET, Ph.D., Associate Professor of English
JAMES L. CLIFFORD, Ph.D., Associate Professor of English
ETHEL STURTEVANT, A.M., Assistant Professor of English
ELIZABETH REYNARD, B.Litt. (Oxon.), Assistant Professor of English
LORNA F. MCGUIRE, Ph.D., Assistant Professor of English
MARY MORRIS SEALS, Associate in English
FRANCES K. MARLATT, A.M., J.D., Associate in English
GEORGIANA C. REMER, B.A. Hons. (Oxon.),¹ Instructor in English
DAVID A. ROBERTSON, Jr., Ph.D.,¹ Instructor in English
MARJORIE D. COOGAN, Ph.D., Instructor in English
SARA DE FORD, Ph.D., Instructor in English
ANNIS SANDVOS, A.M.,³ Instructor in English
JEAN FAIR MITCHELL, M.A. Hons. (Edinburgh), Instructor in English
JOSÉ RUBEN, Bac. Lettres-Philosophie, Lecturer in English
MURIEL BOWDEN, A.M., Lecturer in English

A major in English. Students majoring in English will be required to take in English—A or B or C as follows:

A. *Language and Literature.* A major examination in three parts: (I) History of the English Language, including a reading knowledge of Anglo-Saxon or Middle English, and English Medieval Literature; (II) English Literature before 1700 with special reference to Shakespeare and Milton; (III) English and American Literature since 1700.

B. *Writing.* One part of the major examination described above and eighteen points in composition passed with an average of B; in addition, special knowledge of a particular field. Each student in consultation with her

¹Absent on war service.

²On leave Spring Session.

³On leave 1945-46.

adviser should choose the field in which she expects to be examined. The field must not be too narrowly defined. The candidate must be able to write an essay in correct and effective English on an assigned topic of considerable scope.

C. Speech. Part II or Part III of the major examination specified above with special emphasis on Drama, Part IV, an examination in the history of the language, including translation of Old or Middle English, and in phonetics and the mechanics of voice, and twenty-seven points of work in Speech passed with an average of B.

The major examinations must be passed with a grade of at least C.

Other fields. Related courses in other departments. A reading knowledge of at least two foreign languages, one of which should be modern.

See also *American Studies*, page 44, *Medieval Studies*, page 47, *Renaissance Studies*, page 47, and *Comparative Literature*, page 55.

WRITING

A. EXPERIMENTS IN WRITING. Practice in composition and discussion, reading of literature, contemporary and classical, with conferences to meet the need of the individual student. Designed to build up the power of expression and ability in the accurate and skillful presentation of ideas. Full-year course.

Prescribed for freshmen and prerequisite for any other course except Course 21-22 which is recommended to be taken parallel to Course A. Students not thoroughly accustomed to the use of English should consult DR. DE FORD before registering for Course A. M., W. and F. at 9 (Ia); M., W. and F. at 10 (IIa, b); M., W. and F. at 1 (IIIa, b); M., W. and F. at 2 (IVa, b); M., W. and F. at 3 (Va); Tu., Th. and S. at 10 (VIa); Tu., Th. and S. at 11 (VIIa, b). 6 points. [13]

PROFESSORS CLIFFORD, REYNARD and MCGUIRE and DRs. DE FORD and COOGAN and MISSES MITCHELL and _____.

ADVANCED WRITING

Prerequisite, Course A. Students electing any course in composition must secure the written permission of the instructor in charge.

1, 2. EXPOSITION FOR GOVERNMENT AND OTHER NATIONAL SERVICE. A course designed for students who need and desire additional training in assembling and expounding facts. Special emphasis on the preparation and presentation of expository articles, professional reports, and critical analyses. Training in summarizing and condensing material from organizations, committees, or technical experts. Précis-writing, briefs, and forensics.

M., W. and F. at 11. 6 points. [0]

DR. COOGAN.

3, 4. CREATIVE WRITING. Daily themes, descriptive and narrative, for students who are planning to major in English composition. Experiments in verse

writing. Study of the technic of the short story and the novel, and of modern poetry.

Tu. and Th. at 10 and a third hour to be arranged. 6 points. [0]

PROFESSOR HOWARD.

11, 12. STORY WRITING. This course is in effect rather a writers' group than a course. It is aimed to provide for interested and gifted students an opportunity to practice the art of writing and to profit by the criticism of an audience trained and similarly minded. It is clinical in its method, and the subject matter is adjusted to the capacities and requirements of the individuals within the group. While emphasis is usually upon the philosophy and technic of fiction, other forms of current professional writing are considered whenever students so desire.

Courses recommended as parallel: English 69, 70; Philosophy 45, 46. Tu., 4-6 and a third hour to be arranged. 6 points. [0]

PROFESSOR STURTEVANT.

15. PLAY WRITING. The primary intention is not to train playwrights, but to give insight into drama as a mode of expression. Critical study of plays in text and in production on the New York stage. Improvization, dramatization, writing of original sketches, pantomimes and plays. Stage trial of all work by members of the class.

M. at 3 and W., 3-5. 4 or 8 points. [0]

PROFESSOR LATHAM.

81. DRAMATIC WORKSHOP. Problems of dramatic interpretation and production.

Open to qualified students of all classes. The enrollment will be limited to 40. Th., 3-5, in Brinckerhoff Theatre. 1 point if taken parallel to English 15, 23, 57, 59, 61, French 27 or Spanish 17. [0]

MR. RUBEN and MISS ———.

83, 84. RADIO WORKSHOP. Students write, produce, act, and announce their own radio scripts.

Open to qualified juniors and seniors. Course 83 is prerequisite for Course 84. Limited to 25 students. S., 10-12:30. CBS Studio Building, 49 East 52nd Street. 4 points.

PROFESSOR GREET, Supervisor, and ———.

SPEECH

Courses 41-42, 21-22, 23-24, 25-26, 27, 28, 15, 16 (4 points) are required for English majors specializing in Speech. Courses 57, 58 and 59, 60 are recommended.

D1-D2. SPEECH. This required course gives the student an opportunity to discover the importance of effective speech and voice production. Each student will examine a recording of her own voice and confer concerning her individual needs and the means of effecting improvement. Full-year course.

Prescribed for all new students. Two lectures and one conference in the winter session and one conference in the spring session. Voice recordings made in the conferences. Requirement for graduation. No points credit. [0]

PROFESSOR GREET, MRS. SEALS, and MISS SANDVOS.

21-22. VOICE AND DICTION. A basic course in the fundamentals of speech and voice production designed to aid each student in acquiring clear speech, a pleasing voice, reasonable self-assurance, and the ability to make herself understood at all times. *Winter session*: Voice exercises, phonograph and dictaphone recordings, phonetic drills. *Spring session*: Principles of reading aloud, with special reference to phrasing and inflection. Full-year course.

Open to all students. M., W. and F. at 11 (I), at 1 (II). 4 points. [0]

MRS. SEALS and MISS SANDVOS.

23-24. ORAL INTERPRETATION OF LITERATURE. The study and oral presentation of different types of English literature. *Winter session*: Ballads, lyrics, dramatic verse and prose. *Spring session*: Practical experience in story telling, in choral reading, and in radio work. Full-year course.

Prerequisite, Course 21-22. Tu. at 2 and Th., 2-4. 4 points. [0]

MRS. SEALS.

25-26. SPEECH CORRECTION. The study of specific speech problems resulting from psychological and physiological causes. Practical experience will be afforded in clinical work. Full-year course.

Open to juniors and seniors on written permission of the instructor. Tu. and Th. at 9 and a laboratory hour to be arranged. 6 points. [6]

MRS. SEALS, DR. ALSOP, PROFESSORS GREGORY, and LOWTHER.

27, 28. PUBLIC SPEAKING. Constant practical experience in problems of argumentation, debate, and discussion. Delivery of prepared and extemporaneous speeches. Analysis of important speeches. Parliamentary procedure.

Open to sophomores, juniors, and seniors. M., W. and F. at 2. 6 points. [5]

DR. DE FORD.

41-42. ANGLO-SAXON AND THE HISTORY OF THE ENGLISH LANGUAGE.

3 points. See page 66.

PROFESSOR GREET.

15. PLAY WRITING.

4 or 8 points. See page 64.

PROFESSOR LATHAM.

81. DRAMATIC WORKSHOP.

1 point. See page 64.

MR. RUBEN and MISS ———.

83, 84. RADIO WORKSHOP.

4 points. See page 64.

PROFESSOR GREET and ———.

WIGS AND CUES, the college dramatic club, offers the students in speech practical training and experience in speech, acting, and directing.

The local radio station CURC offers to those students interested in radio announcing and acting opportunity for experience in these special fields.

41-42. ANGLO-SAXON AND THE HISTORY OF THE ENGLISH LANGUAGE. This course is designed to give the scholarly background that is necessary for studies in English usage, oral and written. After an introduction to English phonetics, the class hours are divided between (1) a linguistic and literary study of Anglo-Saxon, including source materials of early English history, Old English lyrics, the *Beowulf*; and (2) the Genesis of American English, the history of words, pronunciation, and structure in the light of literary tradition and linguistic science.

Not open to freshmen. M., W. and F. at 11. 3 points. [3]

PROFESSOR GREET.

49, 50. MEDIEVAL FICTION. Comparative study in translation of the masterpieces of western Europe from the beginnings through the thirteenth century. *Winter session*: The literature of Iceland, Irish medieval literature, English literature of the Anglo-Saxon period, the *Nibelungenlied*, the *Song of Roland*. *Spring session*: The romances of King Arthur; Tristan; the Grail; *The Romance of the Rose*; the short tale in verse and prose; the lives of the saints; the cycle of Reynard the Fox.

Recommended as preceding or parallel courses: English 53-54; Fine Arts 51, 52; French 7; German 51; History 17, 18; Philosophy 145-146. Tu. and Th. at 11 and a third hour to be arranged. 4 or 6 points. [8]

PROFESSOR STURTEVANT.

53, 54. CHAUCER AND HIS TIMES. The language and the literature of England in the later Middle Ages and early Renaissance. *Winter session*: Chaucer's *Canterbury Tales* and *Troilus and Criseyde*. *Spring session*: *Pearl*, *Piers the Plowman* and other poems of the fourteenth and fifteenth centuries.

Course 53 is prerequisite for Course 54. M., W. and F. at 9. 6 points. [1]

PROFESSOR GREET.

[57, 58. SHAKESPEARE'S PREDECESSORS AND CONTEMPORARIES. The development of English drama. Miracle plays, moralities, interludes, Early English comedy, Senecan tragedies, Chronicle history plays, Marlowe, Shakespeare, Ben Jonson, and Beaumont and Fletcher.

6 points. Not given in 1945-46.]

PROFESSOR LATHAM.

[59, 60. MODERN ENGLISH DRAMA. A study of the stage and the drama from the eighteenth century to the present. Ballad Operas; Bourgeois Tragedy and its influence on the Continental drama; Sentimental Comedy; the Patent Theatres and the Actor Managers. Nineteenth-century dramas; Ibsen; W. B. Yeats and the Irish school of playwrights; contemporary English and American playwrights.

Course 59 is prerequisite for Course 60. 6 points. Not given in 1945-46.]

PROFESSOR LATHAM.

61, 62. SHAKESPEARE. All the plays and the poems are read, though only the more important in class, as an introduction to the meaning, scope, and greatness of the poet as expressed in structure, language, style, and versification.

M., W. and F. at 1. 6 points. [4]

PROFESSOR LATHAM, *Winter session*; PROFESSOR HOWARD, *Spring session*.

63. ENGLISH LITERATURE OF THE RENAISSANCE. Sir Thomas More and the English Humanists; Court Poets of Henry VIII; the University Wits; Elizabethan Prose.

M., W. and F. at 1. 3 points. [4]

PROFESSOR HOWARD.

65, 66. ENGLISH POETRY FROM SPENSER TO MILTON. The chief English poets, their themes, forms, and theories concerning poetry. *Winter session*: Spenser, the Elizabethan lyrists, Donne and the metaphysical poets. *Spring session*: Milton, with supplementary readings in the Bible and Dante's *Divine Comedy* in English.

M., W. and F. at 2. 6 points. [5]

PROFESSOR HALLER.

67, 68. ENGLISH LITERATURE OF THE EIGHTEENTH CENTURY. The principal authors from Dryden to the end of the eighteenth century, studied in relation to the thought of the period; analysis of the changing patterns in critical and esthetic theory and practice; interrelationship between literature and other arts.

Tu. and Th. at 11 and a third hour to be arranged. 6 points. [8]

PROFESSOR CLIFFORD.

69, 70. THE NOVEL. The novel as an art form in process of development and as a document of social change. *Winter session*: A comparative study of the contemporary novel in England, the United States, and the continent of Europe. *Spring session*: The novel in English in the eighteenth and nineteenth centuries, with some consideration of contemporaneous Russian masterpieces.

Tu. and Th. at 10 and a third hour to be arranged. 6 points. [7]

PROFESSOR STURTEVANT.

71, 72. ENGLISH LITERATURE FROM BLAKE TO BYRON. The poetry and poetic theories of Blake, Wordsworth, Coleridge, Byron, Shelley, and Keats. The prose of Scott, Lamb, Hazlitt, and De Quincey.

Tu. at 2 and Th., 2-4. 6 points. [9]

PROFESSOR CLIFFORD.

73, 74. ENGLISH LITERATURE FROM CARLYLE TO PATER. Ruskin, Arnold, and critics of the Industrial Revolution; Tennyson, Browning, and the advance of science; the Pre-Raphaelites; Art for Art's Sake; Swinburne and French influence upon the *fin du siècle*.

M. and W. at 11 (4 points); and an additional hour for discussion, F. at 11 (6 points). 4 or 6 points. [3]

PROFESSOR HOWARD.

77, 78. AMERICAN LITERATURE. A study of American literary and cultural development from the colonial period to the present with special emphasis on certain great figures: Emerson, Hawthorne, Melville, Whitman, Dickinson, Poe.

M., W. and F. at 10. 6 points. [2]

PROFESSOR REYNARD.

91, 92. SPECIAL READING. Under the immediate guidance of the instructor the student will choose and discuss with a small group reading of her own choice, with a view to enriching her knowledge of English literature.

Recommended for major students especially in the junior year; not open to other students; may be taken two years in succession. Registration in each section is limited. Students who elect this course in their junior year and change their major later will receive only half credit. Tu., 3-5 (I), W., 3-5 (II), F., 2-4 (III). 4 points. [0]

PROFESSORS LATHAM and MCGUIRE and DR. COOGAN, and MISS MITCHELL.

COMPARATIVE LITERATURE 6. DEVELOPMENT OF ITALIAN DRAMA AND ITS INFLUENCE UPON ENGLISH DRAMA. The *laudi* and the *sacre rappresentazioni*; the theatre of Machiavelli; the influence of the tragedies of Seneca; the comedy of the sixteenth century; the *novelle* and their utilization by playwrights; the rustic drama—Beolco, etc.; the *Commedia dell'Arte* and the Masks; the birth of the opera; Goldoni and the bourgeois stage; the dramatic fables of Carlo Gozzi; Benelli and the historic travesties; Pirandello.

Lectures, discussions and readings. The lectures on costumes, on the masks, on the construction of the classical theatre, and on sceneography will be illustrated by slides. For the lectures on the early opera, ample use will be made of musical records. Open to juniors and seniors. Recommended for English majors. Tu. and Th. at 9 and a third hour to be arranged. 3 points. [6]

PROFESSOR RICCIO.

HISTORY 11, 12. THE HISTORY OF ENGLAND. The development of English institutions, characteristics, and ways of living with particular reference to language and literature; the relation of English to American civilization. *Winter session*: The Norman Conquest to the Restoration; medieval beginnings, Tudor nationalism, the Puritan Revolution. *Spring session*: The Restoration to 1914; the ruling class and the empire, the American, French, and Industrial Revolutions, the Victorian age.

Open to all excepting freshmen. Tu. and Th. at 2 and a conference hour to be arranged. Recommended for English majors. 4 or 6 points. [9]

PROFESSOR HALLER.

FINE ARTS AND ARCHAEOLOGY

MARGARETE BIEBER, Ph.D.,¹ Associate Professor of Fine Arts and Archaeology
MARION LAWRENCE, Ph.D., Assistant Professor of Fine Arts,
Executive officer

JULIUS HELD, Ph.D., Assistant Professor of Fine Arts
MARIANNA BYRAM, A.M., Instructor in Fine Arts
JANE GASTON-MAHLER, A.M., Lecturer in Fine Arts

A major in fine arts. Students majoring in fine arts will be required to take:

Fine arts. Courses 41, 51, 52, 62, 65, 66, 75, 76 and other courses to be arranged in consultation with the department.

Other fields. A reading knowledge of French, German, or Italian. Students planning to do graduate work must have German and one other modern language. Courses in history, literature, languages, philosophy, or other fields which will vary with the special interest of the student and must be arranged in consultation with the major department.

See also *Medieval Studies*, page 47, and *Renaissance Studies*, page 47.

FINE ARTS

1-2. INTRODUCTION TO THE STUDY OF FINE ARTS. A general study of esthetic problems as preparation for a more detailed study of the fine arts. This will include a discussion of the major problems of artistic expression and their solution in the fields of architecture, sculpture, and painting followed by a consideration of the relation of art forms to certain great periods of European culture. Full-year course.

Intended primarily for freshmen and sophomores but open to new transfers and to juniors and seniors on written permission of the department. Tu. and Th. at 10. 4 points. [7]

MRS. GASTON-MAHLER.

41. ANCIENT ART. An introductory study of the art of Egypt, Mesopotamia, Persia, Greece, and Rome.

Open to all excepting freshmen. History 5, 6 is recommended as a parallel course. M., W. and F. at 10. Conferences and visits to the Metropolitan Museum of Art, F. at 10 or at hours to be arranged. 3 points. [2]

PROFESSOR LAWRENCE.

[46. ROMAN ART. Introduction to the origin and development of Roman art, covering in some detail architecture and Pompeian wall-painting with special emphasis on sculpture, historical relief, and portraiture.

Open to all excepting freshmen. History 5, 6 is recommended as a parallel course. 3 points. Not given in 1945-46.]

PROFESSOR BIEBER.

¹Officer of Columbia University giving instruction in Barnard College.

51, 52. MEDIEVAL ART. An introductory study of the origin and development of Christian art in Europe through the early Christian, Byzantine, Carolingian, Romanesque, and Gothic periods.

Open to juniors and seniors. History 17, 18 is recommended as a parallel course. Course 51 is prerequisite for Course 52. M., W. and F. at 2. Conferences and visits to the Metropolitan Museum of Art, F. at 2 or at hours to be arranged. 6 points. [5]

PROFESSOR LAWRENCE.

62. ITALIAN RENAISSANCE SCULPTURE. The historical development of Italian sculpture from the late medieval period through Bernini. Special attention will be given to the genius of the Renaissance as expressed in the work of Donatello and Michelangelo.

Open to juniors and seniors and to sophomores who have had Course 65. Tu. and Th. at 10 and Th. at 1. Visits to the Metropolitan Museum of Art. 3 points. [7]

PROFESSOR LAWRENCE.

65. ITALIAN RENAISSANCE PAINTING. The stylistic and iconographic development of Italian painting from the thirteenth to the middle of the sixteenth century with detailed study of Giotto, Massaccio, Leonardo, Raphael, and Michelangelo.

Open to all excepting freshmen. Tu. and Th. at 11 and a third hour to be arranged for conference or for visits to the Metropolitan Museum of Art. 3 points. [8]

PROFESSOR HELD.

66. RENAISSANCE PAINTING IN NORTHERN EUROPE. The history and development of painting in the Flemish, Dutch, French, and German schools from the end of the Gothic period through the sixteenth century.

Open to all excepting freshmen. Tu. and Th. at 11 and a third hour to be arranged for conference or for visits to the Metropolitan Museum of Art. 3 points. [8]

PROFESSOR HELD.

67. PRINTS AND DRAWINGS. The history and technic of the graphic arts and drawing as illustrated in the work of the principal artists from the beginning of the fifteenth century to modern times.

Open to qualified students on written permission of the department. M., W. and F. at 10 (I), at 11 (II) in 511 Schermerhorn; also F. at 3:30 at the Metropolitan Museum of Art. 4 points.

MISS BYRAM.

75, 76. EUROPEAN PAINTING SINCE THE RENAISSANCE. The development of painting in Europe from the sixteenth century to the present with emphasis on those trends which are most significant in the evolution of modern painting. Architecture and sculpture will be introduced to the extent to which a knowledge of these fields contributes toward the understanding of painting.

Open to all excepting freshmen. Course 75 is prerequisite for Course 76.

Tu. and Th. at 2 and a third hour to be arranged for conference or for visits to the Metropolitan Museum of Art. 6 points. [9]

PROFESSOR HELD.

90. A GENERAL HISTORY OF ORIENTAL ART. An introductory study of the arts of Persia, India, China, Japan, and Central Asia, with particular emphasis on political history, philosophy, and religion as they affect the arts, and an investigation of the contact between the west and the east.

Open to all excepting freshmen. M., W. and F. at 10. Conferences and visits to the Metropolitan Museum of Art, F. at 10 or at hours to be arranged. 3 points. [2]

MRS. GASTON-MAHLER.

[97-98. SEMINAR FOR MAJORS. Special work planned in each case to supplement and coördinate the student's other courses in fine arts and to provide an opportunity for the study of basic principles as well as specific problems in a chosen field.

6 points. Not given in 1945-46.]

PROFESSOR LAWRENCE and other members of the department.

For courses on the Greek and Roman theatre, see Archaeology, page 86; esthetics, see Philosophy 41-42, 45, 145, pages 107, 109.

TECHNICAL COURSES

Studio courses can count toward the degree only if taken parallel to a theoretical or historical course in fine arts.

*DRAWING AND PAINTING 111-112. DESIGN, DRAWING, AND PAINTING. Ability in drawing, design, and painting is developed under personal supervision as a preparation for the study of fine arts or architecture, or for further experience in painting, sculpture, or commercial art. Students are guided to observe, analyze, and create, using various materials for expression, such as pencil, ink, pastel, and water color. The course will include analytical discussions of elementary design, still-life drawing, life drawing, creative design, and outdoor sketching. Full-year course.

Course 111 is prerequisite for Course 112, except on written permission of the instructor. Special fee, \$30 each session. Tu. and Th., 1-3 (I), 3-5 (II). 324 University Hall. 4 points.

MR. MANGRAVITE.

Other studio courses given at Columbia University may be taken by written permission of the department. These are described in the Announcement of the Department of Fine Arts, Archaeology, and Music. For courses in mechanical drafting consult Professor Lawrence.

GRADUATE COURSES

Certain graduate courses given at Columbia University are open with the consent of the department and the Committee on Instruction of Barnard College

to specially qualified seniors. A description of these courses will be found in the *Announcement of the Division of Fine Arts, Archaeology, and Music*. The following are specially recommended as suitable for Barnard seniors:

**Archaeology* 100. Introduction to Ancient Archaeology. PROFESSOR DINS-MOOR. 3 points.

**Fine Arts* 141. Ancient Architecture. PROFESSOR SWIFT. 3 points.

**Fine Arts* 143. Greek Painting. PROFESSOR BIEBER. 3 points.

**Fine Arts* 146. Roman Art. PROFESSOR SWIFT. 3 points.

**Fine Arts* 152. Architecture of the Middle Ages. PROFESSOR SWIFT. 3 points.

**Fine Arts* 155. Romanesque Sculpture. PROFESSOR SCHAPIRO. 3 points.

**Fine Arts* 156. Romanesque Art in Italy. PROFESSOR LAWRENCE. 3 points.

**Fine Arts* 163, 164. Italian Renaissance Painting. PROFESSOR MEISS. 6 points.

**Fine Arts* 171. Art of the Baroque Period. PROFESSOR HELD. 3 points.

**Fine Arts* 176. Modern Painting and Sculpture. PROFESSOR SCHAPIRO. 3 points.

**Fine Arts* 188. Islamic Art. PROFESSOR SCHAPIRO. 3 points.

**Fine Arts* 191, 192. The Art of Asia (Middle and Far East). MRS. GASTON-MAHLER. 6 points.

FRENCH

FRÉDÉRIC G. HOFFHERR, BèsL., Associate Professor of French,
Executive officer

MARGUERITE MESPOULET, Agrégée de l'Université, Professor of French

JEANNE V. VARNEY, D. d'Univ.,¹ Assistant Professor of French

ISABELLE DE WYZEWA, Ph.D., Associate in French

ANDRÉ MESNARD, A.M., Associate in French

HELEN PHELPS BAILEY, A.M., Instructor in French

ALICE BENNETT, A.M., Instructor in French

HELEN CARLSON, A.M., Lecturer in French

MARY-MARGARET BARR, Ph.D., Lecturer in French

A major in French. Unless they receive special permission from the department, students majoring in French will be required to take:

French. Courses 7, 8 (8 points), 11, 12, 15, 16 or 17, 18, at least two of the literature courses dealing with the most important periods of French literary history (XVIIth, XVIIIth, XIXth, XXth centuries) and other courses to be arranged in consultation with the department. Only two courses in the intermediate group may be counted in the major. The introductory language courses, 1-2, 3, 4, 3R, cannot so count.

Other fields. Courses which will vary with the special interest of the student and should be arranged in consultation with the major department.

See also *Medieval Studies*, page 47, and *Renaissance Studies*, page 47.

¹Officer of Columbia University giving instruction in Barnard College.

INTRODUCTORY COURSES

1-2. INTRODUCTORY FULL-YEAR COURSE. Grammar, reading, conversation.

M., W. and F. at 9. 6 points. [1]

MR. MESNARD.

3, 4. INTERMEDIATE COURSE. Review of grammar and syntax. Translation from and into English. Free composition.

Prerequisite, Course 1-2 or two years of high school French. M., W. and F. at 2 (I); Tu., Th. and S. at 9 (II). 6 points. [14]

MR. MESNARD and DR. BARR.

3R. INTERMEDIATE COURSE. PART II. The equivalent of Course 4.

Prerequisite, Course 3 or three years of high school French. M., W. and F. at 1 (I), at 2 (II). 3 points. [14]

DR. DE WYZEWA and MISS BENNETT.

5, 6. CONVERSATION AND COMPOSITION BASED ON READINGS IN FRENCH LITERATURE, WITH OCCASIONAL PRACTICE IN TRANSLATION. A study based on novels, plays, verse, etc., of the nineteenth and twentieth centuries. Discussion in French of texts read. Free composition and reports based on readings.

Prerequisite, Course 3, 4 or three years of high school French. M., W. and F. at 9 (I), at 11 (II); Tu., Th. and S. at 11 (III). 6 points. [14]

MRS. BAILEY, MR. MESNARD, and MISS CARLSON.

6R. CONVERSATION AND COMPOSITION BASED ON READINGS IN FRENCH LITERATURE, WITH OCCASIONAL PRACTICE IN TRANSLATION. The equivalent of Course 5.

Prerequisite, Course 4 or 3R. M., W. and F. at 1. 3 points. [4]

DR. DE WYZEWA.

5x, 6x. PRACTICAL COURSE IN SIGHT READING AND PREPARED TRANSLATION. Intended for students wishing to acquire ease and accuracy in reading historical, philosophical, and scientific French, as well as literary prose and verse.

Prerequisite, Course 3, 4 or three years of high school French. M., W. and F. at 9 (I), at 10 (II), at 11 (III), at 1 (IV). 6 points. [14]

DR. DE WYZEWA, MISS BENNETT, and DR. BARR.

6xR. PRACTICAL COURSE IN SIGHT READING AND PREPARED TRANSLATION. The equivalent of Course 5x.

Prerequisite, Course 4 or 3R. M., W. and F. at 1 (I), at 2 (II). 3 points. [14]

MRS. BAILEY.

7, 8. MASTERPIECES OF LITERATURE FROM THE MEDIEVAL PERIOD TO THE TWENTIETH CENTURY. Lectures in French on the history of French literature, recitations, free composition, and reports on outside reading.

Prerequisite, a grade of at least B in Course 4 and the written permission of the department or a high rating in three years of high school French. 4 points: Lecture only, Th. at 1 and outside reading consisting of the assignments given

in the 8-point divisions. Open to properly qualified juniors and seniors. Cannot count toward the major.

Or 6 points: Class meetings only, M., W. and F. at 10 (III), with modified requirements in reading and composition. Students who may subsequently wish to count the 6 points toward a French major may do so by additional work equivalent to 2 extra points.

Or 8 points: Lecture, Th. at 1 and class meetings, M., W. and F. at 9 (I), at 10 (II). This course is required of students majoring in French and may be counted toward the major. [14]

DR. DE WYZEWA, MRS. BAILEY, and DR. BARR.

9, 10. REVIEW OF GRAMMAR AND COMPOSITION. Intended primarily for those registered in literature courses who desire a rapid review of grammar and syntax.

Open to students of all classes on written permission of the instructor. Limited to 10 students. Tu. and Th. at 10. 4 or 6 points. [7]

MR. MESNARD.

LANGUAGE COURSES¹

11, 12. PRACTICE AND THEORY OF FRENCH PHONETICS. Study of French articulation and intonation, general phenomena covering the spoken language, recitation, and reading aloud. Phonograph records of the pronunciation of each student will be made from time to time for the purpose of correcting or testing individual progress.

Open to students only on written permission of the instructor. Limited to 20 students. M., W. and F. at 1. 6 points. [0]

PROFESSOR VARNEY.

13, 14. THE REGIONAL FRENCH NOVEL. A study of the life and art of several French provinces based on recent novels.

Open to juniors, seniors, and qualified sophomores on written permission of the instructor. Limited to 15 students. M., W. and F. at 2. 4 or 6 points. [5]

MISS BENNETT.

[15, 16. ADVANCED COMPOSITION. Translation from and into French; written reports on outside reading; short themes; "explication de textes."

Specially intended for juniors majoring in French, who have the written permission of the instructor. Limited to 20 students. 6 points. Not given in 1945-46.]

17, 18. ADVANCED TRANSLATION AND COMPOSITION. Texts will be chosen to illustrate various epochs and diversity of style and subject. Composition based on the translated texts with exercises on grammar and vocabulary.

Open only on written permission of the instructor. M. and W. at 9. 6 points. [0]

PROFESSOR MESPOULET.

¹All courses are conducted entirely in French.

19-20. ORAL FRENCH: RECITATION, DICTION, CONVERSATION. Full-year course.

Limited to a small group of selected students. Prerequisite, the written permission of the department. M. and W. at 1 (I), at 2 (II). 4 points.

MRS. BAILEY and DR. BARR.

LITERATURE COURSES¹

Students are reminded that the ability to use French both in speaking and in writing is considered a general requirement for all literature courses.

Course 7, 8 is prerequisite for all literature courses.

21-22. FRENCH LITERATURE IN THE SEVENTEENTH CENTURY. A study of the most significant works of the principal writers of the classical period from 1600 to 1715. Full-year course.

M., W. and F. at 10. 6 or 8 points. [2]

PROFESSOR HOFFHERR.

23-24. FRENCH LITERATURE IN THE NINETEENTH CENTURY; THE ROMANTIC PERIOD. A study of representative works of the poetry and prose of the romantic movement with notes on the arts of the period. Full-year course.

Open to juniors and seniors on written permission of the instructor. M., W. and F. at 10. 6 or 8 points. [0]

PROFESSOR MESPOULET.

25, 26. HISTORY OF THE FRENCH NOVEL. A study of the development of French culture, thought, ideals, and literary technic as reflected in the most representative novels of each period, from the Middle Ages to 1939.

M., W. and F. at 1. 6 points. [4]

DR. DE WYZEWA.

[27, 28. HISTORY OF THE FRENCH DRAMA. General survey of the development of the French drama from its origin to the present time; the most representative plays of the different periods.

4 or 6 points. Not given in 1945-46.]

PROFESSOR HOFFHERR.

[31, 32. THE RENAISSANCE IN FRANCE. Readings illustrative of humanism, neo-platonism, and the "new learning" in science and the arts. A study of the international aspects of intellectual life during the Renaissance.

Open to juniors and seniors. 6 points. Not given in 1945-46.]

33, 34. HISTORY OF FRENCH CIVILIZATION. General survey of the development of French civilization from the Roman conquest to the Revolution; the political, artistic, literary, and scientific activities of the French people in the formation of their national life and their contribution to human progress.

Open to juniors, seniors, and qualified sophomores and to freshmen on written permission of the instructor. M. and W. at 11. 4 or 6 points. [3]

PROFESSOR HOFFHERR.

¹All courses are conducted entirely in French.

[34a. HISTORY OF FRENCH CIVILIZATION FROM THE REVOLUTION TO MODERN TIMES. The political, artistic, literary, and scientific activities of the French people in the formation of their national life and their contribution to human progress.

Prerequisite, Course 33, 34 or the equivalent. 2 points. Not given in 1945-46.]

MR. MESNARD.

[35, 36. FRENCH LITERATURE IN THE EIGHTEENTH CENTURY. The chief essayists, novelists, and dramatists of the period in their most significant works and letters.

Prerequisite, Course 21-22 or the written permission of the department. 6 points. Not given in 1945-46.]

DR. DE WYZEWA.

125-126. CONTEMPORARY FRENCH LITERATURE. French lyrical poetry from the end of the *Parnasse* to the present day with analyses of significant epoch-making poems. Lectures and discussions on novels and essays of the same period. The program for the year 1945-46 will cover the period from 1895 to 1940. Full-year course.

Open to qualified seniors on written permission of the instructor. W. and F. at 11, and a conference for undergraduates, M. at 11. 6 or 8 points. [0]

PROFESSOR MESPOULET.

GRADUATE COURSES

Certain graduate courses given at Columbia University are open with the consent of the department and the Committee on Instruction of Barnard College to specially qualified seniors. A description of these courses will be found in the Announcement of the Division of Modern Languages and Literatures.

Qualified seniors may be authorized to take some of the courses offered by the Ecole Libre des Hautes Etudes.

GEOLOGY AND GEOGRAPHY

FLORRIE HOLZWASSER, Ph.D., Assistant Professor of Geology

HENRY S. SHARP, Ph.D., Assistant Professor of Geology,

Executive officer

S. JAMES SHAND, Ph.D.,¹ Professor of Geology

A major in geology. Students majoring in geology may count 6 points in geography toward the 28 points required in their major field. Advanced courses in geology and courses in related fields of science must be arranged in consultation with the major department and may vary somewhat in accordance with the interest and purpose of the student. Majors in geology are urged to take a well-balanced program in the humanities and to make every effort to take one or more field courses such as *Geology 14*, or *Geology 5179*—Geology of the Rocky Mountains—offered in Wyoming each summer by Columbia University.

¹Officer of Columbia University giving instruction in Barnard College.

A major in geography. Students majoring in geography are required to take *Geography 1-2, 10*, and *Geology 1, 2, 3, 5, 27, 28*; other courses in such important related fields as anthropology, economics, and history are to be selected after consultation with the major department and may vary somewhat in accordance with the interests and purpose of the student.

GEOGRAPHY

1-2. ECONOMIC GEOGRAPHY. Consideration of man's geographic background—weather, climate, oceans, and landforms; his adaptation to this background and his utilization of natural resources; study of maps and map projections. Intended to be of use to students of history, economics, and sociology, and of earth sciences.

Tu. and Th. at 9 and Th. at 1. 6 points in Group II or III. [6]

PROFESSOR HOLZWASSER.

10. METEOROLOGY. The fundamentals of modern meteorology: the atmosphere, its composition, height, and properties; temperature, pressure, humidity, and related weather elements; atmospheric circulation; climates of the earth. Special emphasis upon problems and regions of present importance.

M., W. and F. at 10. 3 points in Group II. Meteorology 10 and Geology 12 are ordinarily given in alternate years. [2]

PROFESSOR HOLZWASSER.

GEOLOGY

1. PHYSICAL GEOLOGY. Courses 1 and 2 are planned to give students knowledge of the earth as the most important physical factor in their background. Course 1 covers the composition and structure of the earth, the internal and external forces acting upon it, and the surface features resulting. The laboratory includes several field trips, study of common rocks and minerals, and intensive study of contour maps as means of depicting topography. Course 1 makes a good unit for students taking other sciences and wishing to gain some knowledge of the content of geology. Those wishing to become familiar with topographic maps are also advised to take this course.

With Course 2 it satisfies the laboratory science requirement in Group II. Lectures: Tu. and Th. at 11. Laboratory (4 hours): M. and W., 2-4 or Tu. and Th., 9-11 or 2-4 or F., 1-4:30. 4 points in Group II. [8]

PROFESSOR SHARP and MRS. FICKLIN, MRS. FRAZIER, and MISS LE COUNT.

2. HISTORICAL GEOLOGY. Important steps in the history of the earth and of the life upon it from the beginning to modern times are emphasized. The laboratory includes a Planetarium visit, study of invertebrate fossils and of geologic maps and structures, museum trips for the study of vertebrate fossils, short field trips, and, if conditions permit, a required two-day weekend trip.

Prerequisite, Course 1. Lectures: Tu. and Th. at 11. Laboratory (4 hours): M. and W., 2-4 or Tu. and Th., 9-11 or 2-4 or F., 1-4:30. 4 points. [8]

PROFESSOR SHARP and MRS. FICKLIN, MRS. FRAZIER, and MISS LE COUNT.

3. THE GEOLOGIC AND GEOGRAPHIC DEVELOPMENT OF SOUTH AMERICA. A study of the position, climate, relief, geology, and natural resources of the continent and its constituent countries.

M., W. and F. at 10. 3 points. Courses 3 and 5 are ordinarily given in alternate years. [2]

PROFESSOR HOLZWASSER.

[5. THE GEOLOGIC AND GEOGRAPHIC DEVELOPMENT OF EUROPE. A study of the position, climate, relief, geology, and natural resources of the continent and its constituent countries. This course should be of value to students of European history and government.

3 points. Courses 3 and 5 are ordinarily given in alternate years. Not given in 1945-46.]

PROFESSOR HOLZWASSER.

[7. GENERAL MINERALOGY. Study of the six crystal systems, and of the identification, properties, occurrences, and uses of the more important minerals. One voluntary field trip. Of special interest to geology and chemistry majors and to students interested in the recognition of minerals.

A knowledge of elementary chemistry is desirable but not required. Not open to freshmen. 3 points. Courses 7 and 15 are ordinarily given in alternate years. Not given in 1945-46.]

PROFESSOR SHAND.

[8. OPTICAL MINERALOGY AND PETROLOGY. An introduction to the study of minerals and rocks in thin sections in which the petrographic microscope will be constantly used.

Prerequisite, Course 7. 3 points. Courses 8 and 30 are ordinarily given in alternate years. Not given in 1945-46.]

PROFESSOR SHAND.

[12. NATURAL RESOURCES. The nature, distribution, and use of the leading minerals and mineral fuels of the United States are considered. Soil, water, forest, wild life, and fishery resources are likewise discussed. The international aspects of strategic mineral problems are reviewed.

3 points in Group II or III. Given in alternate years. Not given in 1945-46.]

PROFESSOR HOLZWASSER.

14. SPRING FIELD COURSE. A reconnaissance survey of important geologic features of the northeast with detailed work in one or more localities. This course is intended to give students experience in the observation of geologic features in the field. Ten days to two weeks in the field immediately after final examinations.

Prerequisite, Courses 1 and 2. Students must have departmental approval to take this course. Not given for less than 6 students. Registration must be made by May 1. 2 points for satisfactory completion of field work and notebook; 1 point additional credit for preparation of a report.

PROFESSORS SHARP and HOLZWASSER.

15. PALEONTOLOGY. The study of selected fossil specimens from all major geologic epochs and from most divisions of the plant and animal kingdoms. The principles of evolution and scientific nomenclature and the development of man's knowledge of plants and animals of the past.

Prerequisite, Courses 1 and 2; no prerequisite for botany or zoölogy majors. Tu. and Th., 2-4. 3 points. Courses 7 and 15 are ordinarily given in alternate years. [9]

PROFESSOR HOLZWASSER.

[19. STRUCTURAL GEOLOGY. Lectures, readings and problems on folds, faults, and other geologic structures, and on geologic maps and sections. One or more voluntary field trips.

Prerequisite, Courses 1 and 2 or the equivalent. 3 points. Courses 19 and 27 are ordinarily given in alternate years. Not given in 1945-46.]

PROFESSOR SHARP.

27. THE ORIGIN OF LANDFORMS. Lectures, map study, and readings on the principles of geomorphology. The origin and evolution of surface features of the earth as controlled by the interaction between geologic structures and erosional processes. One or more voluntary field trips.

Prerequisite, Courses 1 and 2 or the equivalent. M., W. and F. at 2. 3 points. Courses 19 and 27 are ordinarily given in alternate years. [5]

PROFESSOR SHARP and MISS LE COUNT.

28. PHYSICAL DIVISIONS OF THE UNITED STATES. Lectures, map study, and readings on the twenty-five fundamental natural regions of the United States. This course should be of value to students majoring in government, history, economics, the natural sciences, and others wishing to understand the regional aspects of the United States, or expecting to travel within its boundaries. One or more voluntary field trips.

Prerequisite, Courses 1 and 2; may be taken concurrently with 2. Not open to freshmen. M., W. and F. at 2. 4 points. [5]

PROFESSOR SHARP and MISS LE COUNT.

30. ADVANCED PHYSICAL GEOLOGY. Lectures, problems, and readings on various topics in physical geology.

Prerequisite, Courses 1 and 2 and 19 or 27. Open to juniors and seniors. 3 points. Courses 8 and 30 are ordinarily given in alternate years. Tu. and Th. at 3 and a third hour to be arranged. [13]

PROFESSOR SHARP.

GERMANIC LANGUAGES AND LITERATURES

HUGH WILEY PUCKETT, Ph.D., Professor of German,
Executive officer

LOUISE G. STABENAU, A.M., Instructor in German

CLARE BALLUFF, A.M., Lecturer in German

MARIE LEDERMANN, A.M., Lecturer in German

A major in German. Students majoring in German will be required to take: *German.* Courses 9, 10, 45, 46, 51 and other courses to be arranged in consultation with the department.

Other fields. Courses which will vary with the special interest of the student and must be arranged in consultation with the major department.

See also *Medieval Studies*, page 47.

INTRODUCTORY COURSES

1-2. BEGINNERS' FULL-YEAR COURSE. Elements of grammar, easy reading, written and oral practice.

M., W. and F. at 9 (I), at 1 (II); Tu. and Th. at 9 and F. at 3 (III), and M., Tu., W., Th. and F., 2-4 (IV). Permission to enter IV must be obtained from the department. I, II, and III, 6 points; IV, 9 points. [15]

MRS. STABENAU, MISS BALLUFF, and MISS LEDERMANN.

3, 4. INTERMEDIATE COURSE. Rapid reading of texts, with practice in writing and speaking German.

Prerequisite for Course 3, Course 1-2 or two years of high school German. Prerequisite for Course 4, Course 3, or three years of high school German. M., W. and F. at 11 (I), at 1 (II). 6 points. [15]

MRS. STABENAU, MISS BALLUFF and MISS LEDERMANN.

LANGUAGE AND LITERATURE COURSES

5, 6. LESSING, GOETHE, AND SCHILLER. Although the course emphasizes literary appreciation rather than practice in the language, considerable opportunity is offered in the discussions for such practice.

Prerequisite for Course 5, Courses 3, 4, or a high grade in three years of high school German. Prerequisite for Course 6, Course 5, or the written permission of the instructor. Course 5, 6 is recommended as preparation for more advanced courses in German literature. M., W. and F. at 10. 6 points. [2]

PROFESSOR PUCKETT and MRS. STABENAU.

7, 8. MODERN GERMAN PROSE. Rapid reading of modern German historical, critical, and scientific prose, assignments in German newspapers and journals. Structure and development of vocabulary. Especially helpful in giving a more fluent reading knowledge of German for use in other fields, such as science and history, and in preparing for the foreign language test in German.

Prerequisite for Course 7, Course 4, or the written permission of the instructor. Prerequisite for Course 8, Course 7, or the written permission of the instructor. M., W. and F. at 11. 6 points. [3]

PROFESSOR PUCKETT and MRS. STABENAU.

9, 10. PRACTICE COURSE. Conversation and written exercises.

Prerequisite, Course 3 or a good grade in three years of high school German. Tu. and Th. at 10. 4 points. [0]

MRS. STABENAU and MISS BALLUFF.

25, 26. THE DRAMA OF THE NINETEENTH CENTURY.

Prerequisite, Course 5, 6 or 7, 8, or the equivalent. Tu. and Th. at 11. 4 or 6 points. [8]

MRS. STABENAU.

[27. PROSE FICTION OF THE NINETEENTH CENTURY.

Prerequisite, Course 5, 6 or 7, 8, or the written permission of the instructor. 2 or 3 points. Not given in 1945-46.]

PROFESSOR PUCKETT.

[28. THE LITERATURE OF THE TWENTIETH CENTURY.

Prerequisite, Course 5, 6 or 7, 8, or the written permission of the instructor. 2 or 3 points. Not given in 1945-46.]

PROFESSOR PUCKETT.

[30. GERMAN ROMANTICISM.

Prerequisite, Course 5, 6 or 7, 8, or the written permission of the instructor. 2 or 3 points. Not given in 1945-46.]

PROFESSOR PUCKETT.

[36. GOETHE'S *Faust*.

Prerequisite, Course 5, 6 or 7, 8, or the written permission of the instructor. 2 points. Not given in 1945-46.]

PROFESSOR PUCKETT.

[45, 46. HISTORY OF GERMAN LITERATURE FROM THE EARLIEST TIMES TO THE NINETEENTH CENTURY.

Prerequisite, Course 5, 6 or 7, 8, or the equivalent. 6 points. Not given in 1945-46.]

PROFESSOR PUCKETT.

51. GERMAN LIFE AND INSTITUTIONS. The intellectual life of the German people as expressed in their literature and art, as well as in their institutions, from the time of Frederick the Great to the present. Given in English.

Open to students of all classes. Tu., 2-4. 2 points. [9]

PROFESSOR PUCKETT.

GRADUATE COURSES

Certain graduate courses given at Columbia University are open with the consent of the department and the Committee on Instruction of Barnard College to specially qualified seniors. A description of these courses will be found in the Announcement of the Division of Modern Languages and Literatures.

GOVERNMENT

RAYMOND MOLEY, Ph.D., LL.D., Professor of Public Law
 THOMAS PRESTON PEARDON, Ph.D., Professor of Government,
Executive officer

JANE PERRY CLARK CAREY, Ph.D., Assistant Professor of Government

DAVID NELSON ROWE, Ph.D., Associate in Government

MARY F. FAIRBANKS, A.M., Lecturer in Government

A major in government. Students majoring in government will be required to take:

Government. Courses 1, 2, 3, 4 and beyond these a number of more advanced courses determined in each case in accordance with the field of interest of the student. Courses 1, 2 and 3, 4 must have been taken by the end of the junior year.

Because of the close relationship between the subject matter of history and that of government students majoring in government may, with the written permission of the adviser, offer as part of the required 28 points, 6 points in history including a choice of *History* 1-2, 3, 4, 9, 10, 11, 12, 23, 24, 25, 26, 37, 38 or 45, 46. When such courses are counted toward the major in government they may not also be counted toward the satisfaction of the requirement in other social sciences described below.

Other social sciences. In view of the essential unity of the social sciences every student majoring in government is required to take courses amounting to 12 points distributed between two of the following departments as selected in conference with the adviser: anthropology, economics, geography, history, philosophy, psychology, sociology.

A major in economics and government. Students majoring in economics and government will be required to take:

Economics 1, 2, 13 or 14, 17, 27 or 28. *Government* 1, 2, 3, 4, 25, 26 and at least one additional course in economics or in government.

Other social sciences. See requirement stated above.

A major in government and history. Students majoring in government and history will be required to take:

Government 1, 2, 3, 4, 62 or 72 (for 2 points), and at least one additional course in government. *History* 1-2, 9, 10, 45, and at least one additional course in history.

Other social sciences. See requirement stated above.

See also *American Studies*, page 44, and *International Studies*, page 45.

1, 2. AN INTRODUCTION TO AMERICAN PUBLIC AFFAIRS. A survey of contemporary American public problems, including the organization and functions of the federal government, the relation of the states to the nation, the leadership of the executive and the process of administration, law and legislation, the judicial system and the administration of justice, the party system and the problems of city government; the governmental regulation and protection of business and labor, the conservation of natural resources, and the promotion of public welfare, health, and education.

Open to students of all classes. Course 1 is prerequisite for Course 2. M., W. and F. at 9. 6 points. [1]

MRS. FAIRBANKS.

3, 4. COMPARATIVE GOVERNMENT. An introduction to contemporary politics, especially as illustrated by the institutions, trends and problems of government in certain foreign countries: England, Germany, the U.S.S.R., and others. The functioning of democracy abroad; the soviet system; Fascism and National Socialism; other systems, movements, and tendencies; the impact of the war on government.

Open to all students. M., W. and F. at 11. 6 points. [3]

PROFESSOR PEARDON.

7, 8. AMERICAN POLITICAL LIFE. American politics chiefly considered in the light of the ideas, achievements, and influence of important political leaders such as Jefferson, Hamilton, Marshall, Lincoln, Hanna, Theodore Roosevelt, Wilson, and Franklin D. Roosevelt, and of such interpreters of American life as Emerson, Whitman, Mark Twain, and Henry Adams.

Open to all excepting freshmen. Tu., 3-5. 4 or 6 points. [13]

PROFESSOR MOLEY.

[10. THE BRITISH EMPIRE. The transformation of the British Empire into a Commonwealth of Nations; government and politics in the self-governing Dominions; India and the Dependent Empire.

Prerequisite, Course 3 or History 12. 3 points. Not given in 1945-46.]

PROFESSOR PEARDON.

11, 12. INTERNATIONAL RELATIONS. An analysis of the setting and basic factors of contemporary world politics and a study of proposals for reconstructing a stable international order.

Prerequisite, Course 3, 4 or History 1-2. Tu. and Th. at 11, 4 points, and W. at 3, 6 points. [10]

PROFESSOR PEARDON.

15. THE FAR EAST. Political institutions and international relations of the Far East, with special reference to Japan and China.

Open to juniors and seniors and to sophomores on special permission of the department. Th., 3-5. 6 points.

DR. ROWE.

23, 24. GOVERNMENT AND SOCIAL CONTROL. Methods of social control by government with especial emphasis on the developing relationship of the government to social problems in war and in peace. The relationship of government to specific social problems such as housing, child welfare, wages, and social security. Plans for handling such problems in the post-war world, illustrated by the Beveridge Report, the work of the National Resources Planning Board etc.

Prerequisite, Course 1, 2 or the equivalent. M., W. and F. at 1. 6 points. [4]

MRS. FAIRBANKS.

25, 26. CONSTITUTIONAL LAW OF THE UNITED STATES. The development of constitutional principles in the decisions and opinions of the Supreme Court of the United States in relation to civil and political rights in this country; citizenship in the United States; powers of Congress in war and peace; the President, with particular emphasis on military and war powers; the police power; due process of law and the equal protection of laws.

Prerequisite, Course 1, 2 or the equivalent. M., 3-5. 6 points. [10]

PROFESSOR CAREY.

[31, 32. THE HISTORY OF POLITICAL THOUGHT. A study of the development of political ideas from the Middle Ages to recent times.

Prerequisite, Course 3, 4 or History 1-2. 6 points. Not given in 1945-46.]

PROFESSOR PEARDON.

[41, 42. PROBLEMS IN PUBLIC ADMINISTRATION. First-hand observation and study, in coöperation with various civic and governmental organizations, of problems of local, state, and national government administration.

Prerequisite, 6 points in government and the written permission of the department. Hours to be arranged. 6 points. Not given in 1945-46.]

PROFESSOR CAREY.

49, 50. INTRODUCTION TO PUBLIC ADMINISTRATION. The rôle of administration in modern government, with especial emphasis on administrative organization in war and peace; governmental personnel and manpower; centralized and decentralized administration; democratic controls of administration.

Students who plan to take Civil Service examinations in any field will be admitted to the course. Tu. and Th. at 9. 6 points. [6]

MRS. FAIRBANKS.

[61, 62. SEMINAR FOR MAJORS. Selected subjects in politics and government. 6 points. Not given in 1945-46.]

[71, 72. PROBLEMS OF GOVERNMENT. Study of selected topics and books in politics and government.

This course may be taken only in connection with some other course in government. 2 or 4 points. Not given in 1945-46.]

PROFESSOR PEARDON.

GRADUATE COURSES

Certain graduate courses given at Columbia University are open with the consent of the department and the Committee on Instruction of Barnard College to specially qualified seniors. Ordinarily a minimum of 6 points of government at Barnard in addition to a major interest in the social sciences is required as a prerequisite. A description of the graduate courses will be found in the Announcement of the Division of History, Economics, Public Law, and Sociology. The following are specially recommended as suitable for Barnard seniors:

**Government 101, 102. The Process of Government. PROFESSOR WALLACE. 6 points.*

**Government* 143. The Government of England. PROFESSOR PEARDON. 3 points.

**Government* 144. Problems of Federalism: British Experience and Contemporary Proposals. PROFESSOR PEARDON. 3 points.

**Government* 171, 172. Modern Ideas of the State. PROFESSOR MACIVER. 6 points.

**Public Administration* 155, 156. Principles of Public Administration. PROFESSOR MACMAHON. 6 points.

GREEK AND LATIN

GERTRUDE M. HIRST, Ph.D., Professor of Greek and Latin,
Emeritus

KURT VON FRITZ, Ph.D.,¹ Professor of Greek and Latin

MARGARETE BIEBER, Ph.D.,¹ Associate Professor of Fine Arts and Archaeology

JOHN DAY, Ph.D., Assistant Professor of Greek and Latin,
Executive officer

MOSES HADAS, Ph.D.,¹ Assistant Professor of Greek and Latin

JOHN F. C. RICHARDS, Ph.D.,¹ Instructor in Greek and Latin

F. ELLENOR M. SWALLOW, Ph.D., Instructor in Greek and Latin

FRED W. HOUSEHOLDER, Ph.D.,¹ Lecturer in Greek and Latin

A major in Greek, or in Latin, or in Greek and Latin combined. Students majoring in Greek, or in Latin, or in Greek and Latin combined will be required to take courses to be elected in appropriate sequence under the direction of the department. Toward a

Major in Greek. Any courses in Greek and 4 points in archaeology or civilization or Greek history may count.

Major in Latin. Any courses in Latin and 4 points in archaeology or civilization or Roman history may count.

Major in Greek and Latin combined. The following combinations are possible: (a) 18 points of Greek, 10 points of Latin; (b) 18 points of Latin, 10 points of Greek. No points in archaeology or civilization may count.

At least one course in Greek composition and one course in Latin composition are strongly recommended. Students will find it profitable to take courses in Greek history, or in Roman history, or in both (*History* 5, 6, 13, 14, 15, 16), and courses in archaeology and civilization. A reading knowledge of French and German is advised.

Other fields. The work in other fields will vary with the special interest of the student and should be arranged in consultation with the major department.

ARCHAEOLOGY AND CIVILIZATION

Students majoring in Greek or in Latin may count courses in archaeology and civilization either toward their major or toward the 14-point requirement in the group indicated for each course by the statement made in connection with the point value, but not to cover both requirements. For all other students courses in archaeology and civilization will count toward the 14-point

¹Officer of Columbia University giving instruction in Barnard College.

requirement in the group indicated for each course by the statement made in connection with the point value.

ARCHAEOLOGY

[61-62. CENTERS OF HELLENIC CIVILIZATION. A study of life at certain Greek cities and sanctuaries of the Prehellenic, Hellenic, and Hellenistic periods, as revealed by existing monuments.

Open to all excepting freshmen. 4 points in Group III. Not given in 1945-46.]

PROFESSOR DAY.

[64. GREEK ARTS AND CRAFTS. A study of Greek life as reflected by vases, coins, and other minor arts.

Open to all excepting freshmen. 2 points in Group III. Not given in 1945-46.]

PROFESSOR DAY.

71. THE GREEK AND ROMAN THEATRE. Development of tragedy, comedy, and theatre building, based on literary evidence and particularly on monuments and objects of art. Third hour for the reading, in English translation, of Aeschylus, Sophocles, Euripides, Aristophanes, Plautus and Terence.

M. and W. at 2 and a third hour to be arranged for reading dramas, and conferences. 3 points in Group I. [5]

PROFESSOR BIEBER.

For other courses in archaeology see Fine Arts 41, graduate courses in Fine Arts (page 71) and other courses in the Announcement of the Division of Fine Arts, Archaeology and Music.

CIVILIZATION

49, 50. GREEK LIFE AND THOUGHT. A portrayal of Greek civilization. *Winter session:* Consideration of the nature of the country; monuments of Athens; archaeology and art; athletic sports and festivals; education. *Spring session:* Surveys are made of literature, the theatre and the drama, political, social, and economic thought and practices, with emphasis upon the origin of our democratic processes; philosophy; religion; science.

Open to students of all classes. Tu. and Th. at 10. 4 points in Group III. [7]

PROFESSOR DAY.

53, 54. ROMAN LIFE AND THOUGHT. Various aspects of Roman civilization. *Winter session:* The main subjects considered are the Etruscans and their influence upon Rome; development of the Roman "constitution" and its influence upon the Constitution of the United States; economic and social life. *Spring session:* Attention is devoted to religion; festivals; the theatre and the drama; literature; archaeology and art; Pompeii and Rome.

Open to students of all classes. Tu. and Th. at 2. 4 points in Group III. [9]

PROFESSOR DAY.

55, 56. GREEK LITERATURE IN TRANSLATION. *Winter session*: Homer, Hesiod, lyric poetry, Herodotus and Thucydides. *Spring session*: The drama, oratory and philosophy. Special emphasis, in both sessions, on the origins and development of the basic political ideals of democratic civilization.

Open to all excepting freshmen. Tu. and Th. at 11. 4 points in Group I. [8]
DR. SWALLOW.

GREEK LANGUAGE AND LITERATURE

1-2. FIRST COURSE (FULL-YEAR). Grammar, composition, selected readings in prose and verse; selections from Homer's Iliad. This course may not be begun in the spring session.

3 recitations, 2 hours unprepared work in classroom. Prerequisite, elementary Latin. M., Tu., W., Th. and F. at 2. 8 points. [9]

PROFESSOR HIRST.

11. HOMER: ODYSSEY; LUCIAN: SELECTIONS.

Prerequisite, Course 1-2 or three years of high school Greek. M., W. and F. at 10. 3 points. [2]

PROFESSOR DAY.

12. PLATO: APOLOGY; EURIPIDES: ONE PLAY.

Prerequisite, Course 1-2 or three years of high school Greek. M., W. and F. at 10. 3 points. [2]

PROFESSOR DAY.

19-20. PROSE COMPOSITION. First course (full-year).

May be taken in connection with any reading course in Greek (except Course 1-2), but not separately; particularly recommended to students who have taken only Course 1-2. This course may be taken for credit in two different years. Hour to be arranged. 2 points. [0]

DR. HOUSEHOLDER.

21. GREEK TRAGEDY: TWO PLAYS.

Prerequisite, Course 11 or 12 or 25 or 26. W. and F. at 11. 2 points. [3]

DR. SWALLOW.

22. GREEK COMEDY: TWO PLAYS OF ARISTOPHANES.

Prerequisite, Course 11 or 12 or 25. W. and F. at 11. 2 points. [3]

DR. SWALLOW.

25. SELECTIONS FROM HERODOTUS: BOOK VII. The Persian attempt to enslave Greece. How Themistocles built up the Athenian navy and how the Spartans fought at Thermopylae.

Prerequisite, Course 1-2 or three years of high school Greek. Tu. and Th. at 11. 2 points. [8]

PROFESSOR DAY.

26. DEMOSTHENES: OLYNTHIACS AND PHILIPPICS. The appeals of an Athenian patriot and outstanding orator for resistance to the aggression of Philip of Macedon.

Prerequisite, Course 11, 12 or 25. Tu. and Th. at 11. 2 points. [8]

PROFESSOR DAY.

29-30. PROSE COMPOSITION. Second course (full-year).

Prerequisite, Course 19-20 or the equivalent. May be taken in connection with any reading course in Greek, but not separately. This course may be taken for credit in two different years. Hour to be arranged. 2 points. [0]

DR. RICHARDS.

*103, 104. GREEK LITERATURE. PART I. PROSE. General survey, with extensive reading, in Greek, of Greek prose.

Prerequisite, Course 21 or 22 or 25 or 26. Open to qualified seniors. M. and W. at 4. 709 Philosophy. 6 points.

*139-140. PROSE COMPOSITION. Advanced full-year course.

Prerequisite, Course 29-30. Open to qualified seniors. Hours to be arranged. 4 points.

DR. RICHARDS.

See also *Archaeology*, page 86, *Civilization*, page 86, *Fine Arts* 41, page 69, and *History* (Courses 5, 6, 13, 14, 15, 16, 17, 18), pages 91, 92.

LATIN LANGUAGE AND LITERATURE

1-2. BEGINNERS' FULL-YEAR COURSE. Elements of grammar, language structure, etymology, word formation, easy reading. Designed to be the equivalent of the first two years of high school Latin, but also to have positive value for students in other departments who feel the need of a foundation in Latin.

This course will be given if a sufficient number of students apply. M., W. and F. at 2. 6 points. [5]

DR. SWALLOW.

3. SELECTIONS FROM VERGIL: AENEID I-VI. Parts of the AENEID will be read and the poem will be studied as a whole.

Prerequisite, two or three years of high school Latin or Latin 1-2. Course 19-20 is strongly recommended as a parallel course. M., W. and F. at 9. 3 points. [1]

DR. SWALLOW.

4. CICERO: DE AMICITIA; OVID: SELECTIONS FROM THE ELEGIAC POEMS.

Prerequisite, Course 3 or the equivalent. Not open to students who have had any reading course beyond Courses 11 and 12. Course 19-20 is strongly recommended as a parallel course. M., W. and F. at 9. 3 points. [1]

DR. SWALLOW.

11. LIVY: SELECTIONS; CATULLUS: SELECTIONS.

Prerequisite, Course 3 or the equivalent in entrance Latin. Course 19-20 is strongly recommended as a parallel course. M., W. and F. at 1. 3 points. [4]

PROFESSOR HIRST.

12. HORACE: SELECTED ODES AND EPODES.

Prerequisite, Course 11. Course 19-20 is strongly recommended as a parallel course. M., W. and F. at 1. 3 points. [4]

PROFESSOR DAY.

[17-18. LECTURES ON LATIN LITERATURE. The importance of Latin literature among the great national literatures. Full-year course.

Open to students who are taking any reading course in Greek or Latin. 2 points. Not given in 1945-46.]

PROFESSORS HIRST and DAY.

19-20. LATIN COMPOSITION. First course (full-year).

May be taken in connection with any reading course in Latin, but not separately. Strongly recommended as a parallel to Courses 3, 4 and 11, 12. This course may be taken for credit in two different years. Tu. at 3. 2 points.

DR. SWALLOW.

21. HORACE: SATIRES, EPISTLES; TERENCE: PHORMIO. A genial Roman poet's outlook on life as seen in the works of Horace. An adaptation in Latin, by Terence, of the Greek comedy of manners.

Prerequisite, Courses 11 and 12. M., W. and F. at 9. 3 points. [1]

PROFESSOR DAY.

22. JUVENAL, MARTIAL, PLINY. Roman life and thought in the early Empire.

Prerequisite, Courses 11 and 12. M., W. and F. at 9. 3 points. [1]

PROFESSOR HIRST.

25. VERGIL: GEORGICS, SELECTIONS. Vergil's most perfect poem.

Prerequisite, Courses 11 or 12 and 21 or 22. Tu. and Th. at 9. 2 points. [6]

DR. SWALLOW.

26. LUCRETIVUS: SELECTIONS. A poet's exposition of the Epicurean philosophy.

Prerequisite, Courses 11 or 12 and 21 or 22. Tu. and Th. at 9. 2 points. [6]

DR. SWALLOW.

[27. TACITUS: ANNALS XIII-XVI.

Prerequisite, Courses 11 or 12 and 21 or 22. 2 points. Not given in 1945-46.]

PROFESSOR HIRST.

[28. CICERO: LETTERS, SELECTIONS.

Prerequisite, Courses 11 or 12 and 21 or 22. 2 points. Not given in 1945-46.]

PROFESSOR DAY.

29-30. PROSE COMPOSITION. Second course (full-year).

Prerequisite, Course 19-20. May be taken in connection with any reading course in Latin, but not separately. This course may be taken for credit in two different years. Th. at 1. 2 points. [0]

[41, 42. LATIN LITERATURE.

6 points. Not given in 1945-46.]

*139-140. PROSE COMPOSITION. Advanced full-year course.

Prerequisite, Course 29-30. Open to qualified seniors. Th. at 5. 709 Philosophy. 4 points.

DR. RICHARDS.

See also *Archaeology*, page 86, *Civilization*, page 86, and *History* (Courses 5, 6, 13, 14, 15, 16, 17, 18), pages 91, 92.

HISTORY

EUGENE H. BYRNE, Ph.D., Professor of History,
Executive officer

WILLIAM HALLER, Ph.D., Professor of English

JAMES H. OLIVER, Ph.D.,¹ Assistant Professor of History

VIRGINIA D. HARRINGTON, Ph.D., Assistant Professor of History

CHARLOTTE T. MURET, Ph.D.,² Instructor in History

GEORGE B. YOUNG, Ph.D.,¹ Instructor in History

ELSPETH V. DAVIES, A.M., Lecturer in History

CHILTON WILLIAMSON, A.M., Lecturer in History

URSULA S. LAMB, A.M., Lecturer in History

RENÉ CARRIÉ, Ph.D., Lecturer in History

A major in history. Students majoring in history will be required to take the following courses:

History. Courses 1-2, 9-10 and one other general course, such as those offered in ancient, medieval, or English history. They should then concentrate their attention on some special field in which to do work of a more advanced character. Courses 1-2 and 9-10 should have been taken by the end of the junior year.

On account of the close relationship between the subject matter of history and that of government, history students majoring in history may with the written permission of the department offer as part of the 28 points of the major requirement 6 points in government selected from Courses 1, 2, 3, 4, 9, 10, 11, 12, 31, 32. When such courses are counted toward the major they may not also be counted toward the satisfaction of the requirement in other social sciences described below.

Other social sciences. In view of the essential unity of the social sciences, students majoring in history must elect 12 points distributed in two social sciences other than history. The courses will be selected in conference with the adviser. Certain of these courses may also be counted toward the satisfaction of the general requirement in Group I or Group II. (See page 29.)

Students majoring in history must acquire a reading knowledge of some foreign language.

With the work in history they may combine work in other departments to make up a group of correlated courses on some large subject, such as ancient

¹Absent on war service.

²Absent on leave 1945-46.

history and philosophy or art, modern history and international relations or sociology, English history and literature or government, American history and economics, the history of thought and culture.

A major in government and history. Students majoring in government and history will be required to take:

Government 1, 2, 3, 4, 62 or 72 (for 2 points), and at least one additional course in government. *History* 1-2, 9-10, 45, and at least one additional course in history.

See also *American Studies*, page 44, *International Studies*, page 45, *Medieval Studies*, page 47, and *Renaissance Studies*, page 47.

INTRODUCTORY COURSE

1-2. SURVEY OF MODERN EUROPEAN HISTORY FROM THE AGE OF DISCOVERY TO THE OUTBREAK OF THE SECOND WORLD WAR. *Winter session:* Foundations of modern Europe; political, economic, social, and intellectual achievements from the fifteenth century to the eighteenth; the British, American, and French Revolutions; the era of Napoleon and the Congress of Vienna. *Spring session:* Industrial Revolution; rise of nationalism; social, intellectual, and economic problems of the nineteenth century; imperialism and world politics; causes and consequences of the First World War; Fascism, Bolshevism, Nazism; causes and outbreak of the Second World War. Full-year course.

Open to students of all classes. M., W. and F. at 9 (I), at 11 (II), and Tu., Th. and S. at 10 (III); also for freshmen only, M., W. and F. at 9 (IV), at 11 (V), and Tu., Th. and S. at 11 (VI and VII). 6 points.

PROFESSOR BYRNE, MME. MURET, MR. WILLIAMSON, and MRS. LAMB.

GENERAL COURSES

[3-4. THE AMERICAN HERITAGE. Modern world history from the American standpoint. Origins, background, development, and character of American civilization; European events as they influenced the growth of the Americas; the coming of Europeans and other peoples to the Americas from the fifteenth to the twentieth centuries and an estimate of their contributions. The Thirteen English Colonies and the United States as part of the American hemisphere and of the world; the emphasis to be placed on social and cultural history against the political background. Full-year course.

Open to specially qualified freshmen. Not recommended for prospective history majors. 8 points. Not given in 1945-46.]

5, 6. THE HISTORY OF THE ANCIENT WORLD. A survey of the ancient Orient, Greece, and Rome.

Open to sophomores, juniors, and seniors and to qualified freshmen on written permission of the department. Fine Arts 41 is recommended as a parallel course. M., W. and F. at 9. 6 points. [1]

DR. HAMBLIN.

9, 10. HISTORY OF THE AMERICAN NATION FROM COLONIES TO WORLD POWER. *Winter session:* Political, social, and economic aspects of American history

under the British Empire, during the Revolution, and in the early republic; territorial expansion and foreign affairs before the Civil War; political parties and sectionalism to the Compromise of 1850. *Spring session*: The Civil War and reconstruction; nationalism and industrial capitalism; the agrarian revolt and the reform movement; the United States as a world power; the First World War and after.

Open to sophomores, juniors, and seniors and to qualified freshmen on written permission of the instructor. M., W. and F. at 10. (I) for juniors and seniors, (II) for sophomores. 6 points. [2]

MR. WILLIAMSON, and ———.

11, 12. THE HISTORY OF ENGLAND. The development of English institutions, characteristics, and ways of living with particular reference to language and literature; the relation of English to American civilization. *Winter session*: The Norman Conquest to the Restoration; medieval beginnings, Tudor nationalism, the Puritan Revolution. *Spring session*: The Restoration to 1914; the ruling class and the Empire, the American, French, and Industrial Revolutions, the Victorian age.

Open to all excepting freshmen. Tu. and Th. at 2 and a conference hour to be arranged. 4 or 6 points. [9]

PROFESSOR HALLER.

MORE ADVANCED COURSES

[13, 14. HISTORY OF GREECE. A short survey of Greek civilization in its three "stages": Helladic, Hellenic, and Hellenistic; fifth-century Athens, as the highest type of Greek culture, and the Hellenistic Age, as the period of cultural transmission.

Open to juniors and seniors and to sophomores on written permission of the instructor. Fine Arts 41 is recommended as a parallel course. 6 or 8 points. Courses 13, 14 and 15, 16 are ordinarily given in alternate years. Not given in 1945-46.]

DR. HAMBLIN.

15, 16. HISTORY OF ROME. The rise of Rome, her conquest of the Mediterranean world, a detailed study of the Empire.

Open to juniors and seniors and to sophomores on written permission of the instructor. M., W. and F. at 1. 6 or 8 points. Courses 13, 14 and 15, 16 are ordinarily given in alternate years. [4]

DR. HAMBLIN.

17, 18. MEDIEVAL CIVILIZATION AND THE RENAISSANCE. *Winter session*: The social and cultural history of the Middle Ages with emphasis upon developments in the twelfth and thirteenth centuries. *Spring session*: Politics and society in the fourteenth, fifteenth, and early sixteenth centuries.

Open to juniors and seniors and to sophomores on written permission of the instructor. A fine arts course to be selected from 51, 52, 62, 65, 66 is recommended as a parallel course. Tu. and Th. at 10, and Th. at 3. 6 points. [7]

PROFESSOR BYRNE.

[21-22. THE FRENCH REVOLUTION AND NAPOLEON. A study of the Revolution; the background of eighteenth-century Europe; origins of the Revolution; its political and social doctrines; the Napoleonic era and the spread of revolutionary ideas; reaction and the Congress of Vienna. Full-year course.

Open to juniors and seniors and to sophomores on written permission of the instructor. 6 points. Not given in 1945-46.]

MME. MURET.

23, 24. EUROPE IN THE NINETEENTH CENTURY (1815-1914). A review of the social and intellectual bases of contemporary Europe and a history of its principal nations after 1815. The results of the Industrial Revolution; the theories and growth of liberalism, democracy, nationalism, and imperialism; romanticism and realism in arts and letters; scientific and religious developments; socialism and syndicalism in theory and practice; the intellectual sources of Fascism and Nazism.

Open to juniors and seniors and to sophomores on written permission of the instructor. M., W. and F. at 1. 6 points. [4]

MISS DAVIES.

25, 26. EUROPE AND THE TWO WORLD WARS. England, France, Germany, Russia, Italy, the Near East, the Far East since 1890; imperialism and alliances. Factors leading to the First World War. The war; the peace treaties; efforts at world organization. Europe between two wars; collectivism and democracy; the evolution of Bolshevism; the origins and growth of Fascism and Nazism; German expansion; the causes of the Second World War. Problems of Europe today.

Open to all excepting freshmen. Course 25 is prerequisite for Course 26 except on written permission of the instructor. M. and W. and F. at 10. 6 points. [2]

DR. CARRIÉ.

33-34. AMERICAN COLONIAL HISTORY. The establishment of the English colonies in the New World; political, economic, religious, and social development of the colonies in the seventeenth and eighteenth centuries; origins of present American institutions in the colonial period; indications of an American culture in the mid-eighteenth century; development of British colonial policy; rivalry with Spain, Holland, and France; British policy after 1763; the Revolution; the Confederation; the Federal Constitution. Full-year course.

Open to all excepting freshmen. Tu. and Th. at 10. 4 points. [7]

PROFESSOR HARRINGTON.

37, 38. HISTORY OF AMERICAN FOREIGN RELATIONS. International relations of the American people from independence to world power. An attempt to understand the expansive forces of American national life in their relation to an evolving foreign policy. An analysis of the varied international interests of Americans and of such representative policies as isolation, the Monroe Doctrine, the Open Door, and the freedom of the seas.

Preceding or parallel, Course 9, 10. M., W. and F. at 3. 6 points. [10]

MISS DAVIES.

45, 46. SEMINAR IN HISTORICAL STUDY. Readings in the great historians of the nineteenth and twentieth centuries. Introduction to problems in historical criticism.

Open to students majoring in history upon approval of the department, and recommended for prospective teachers of history. Th. at 4. 4 points. [0]

PROFESSOR BYRNE.

[HISTORY OF SCIENCE 1-2. A survey of the outstanding scientific achievements in the history of mankind. By means of lectures and correlated readings the course will trace the development of science and its impact on life and thought in modern times.

Open to seniors and to qualified juniors. Not given in 1945-46.]

Members of the Departments of History, Mathematics, and the Sciences, under supervision of a committee.

GRADUATE COURSES

Certain graduate courses given at Columbia University are open with the consent of the department and the Committee on Instruction of Barnard College to specially qualified seniors. Ordinarily a minimum of 18 points in history at Barnard, or in special cases the equivalent thereto in courses in other social sciences, is required as a prerequisite. A description of the graduate courses will be found in the Announcement of the Division of History, Economics, Public Law, and Sociology. The following are specially recommended as suitable for Barnard seniors:

**History 131-132. Major Factors in Modern European History, with special reference to the rise of nationalism. PROFESSOR HAYES. W., 7:30-9. 6 points.*

**History 137-138. The Modern Expansion of Europe. PROFESSOR COLE. Tu. and Th. at 10. 6 points.*

**History 139-140. European Thought and Culture in the Nineteenth Century. PROFESSOR BARZUN. M. and W. at 10. 6 points.*

**History 148. The Russian Revolution. PROFESSOR ROBINSON. S., 11-12:50. 6 points.*

**History 191-192. Modern History of the Far East. PROFESSOR GARDNER. Tu. and Th. at 11. 6 points.*

**History 193-194. History of Chinese Civilization. PROFESSOR GOODRICH. M. and W. at 10. 6 points.*

**History 195-196. History of Japan and Japanese Civilization. PROFESSOR GARDNER. M. and W. at 11. 6 points.*

HYGIENE

GULIELMA F. ALSOP, M.D., College Physician

A1-A2. PERSONAL HYGIENE. A study of the laws of health with special reference to nutrition and the creation of physical and mental stamina. Full-year course.

Prescribed for freshmen. Tu. at 11 (I), at 2 (II); Th. at 1 (III), F. at 11 (IV). 2 points. [12]

DR. ALSOP.

ITALIAN

PETER M. RICCIO, Ph.D., Associate Professor of Italian,
Executive officer

DINO BIGONGIARI, A.B.,¹ Da Ponte Professor of Italian

GIUSEPE PREZZOLINI,¹ Professor of Italian

TERESA CARBONARA, A.M., Associate in Italian

A major in Italian. Students majoring in Italian will be required to take:

Italian. Courses 13, 14, 15, 16, 19, 20, 21, 22, 25, 26, and other courses to be arranged in consultation with the department.

Other fields. English 6, 53, 54; *Fine Arts* 51, 52, 62, 65; *History* 17, 18; *Philosophy* 61-62. Two years of French or German or Spanish. Some knowledge of Latin is also desirable.

See also *Medieval Studies*, page 47, and *Renaissance Studies*, page 47.

LANGUAGE COURSES

1-2. INTRODUCTORY FULL-YEAR COURSE. A rapid course in the Italian language intended for students who wish to acquire in one year ability to read masterpieces of Italian literature as well as opera librettos and works on Italian art and history. Grammar is reduced to a minimum. Emphasis is placed on the more practical aspects of the spoken and written language. Extensive use of realia, music, and linguaphone records.

This course may not be taken parallel to Portuguese 1-2 or Spanish 1-2. M., W. and F. at 9.6 points. [1]

PROFESSOR RICCIO.

3, 4. PRACTICE COURSE.² Vocabulary building with special emphasis on conversation and composition. "Analisi estetica" based on readings in representative Italian literary works.

Prerequisite, Course 1-2. M., W. and F. at 1.6 points. [0]

MISS CARBONARA.

5, 6. ADVANCED PRACTICE COURSE. Oral and written composition. Reading and critical analysis of literary masterpieces.

Prerequisite, Course 3, 4 or the equivalent. M. and W. at 3.4 points.

MISS CARBONARA.

LITERATURE COURSES

[15. DANTE AND MEDIEVAL CULTURE.² A study of Dante, his poetry and his times, including practice in the written and spoken language. Reading aloud, emphasis on rhythm and melody of the spoken language. "Analisi estetica" of the most celebrated passages of the DIVINE COMEDY.

Prerequisite, Course 1-2 or 13, 14 or the equivalent. This course may be taken for credit in two different years. 3 or, with the written permission of the instructor, 4 points. Not given in 1945-46.]

MISS CARBONARA.

¹Officer of Columbia University giving instruction in Barnard College.

²Conducted entirely in Italian.

[16. THE ITALIAN RENAISSANCE.¹ Petrarch and humanism; Machiavelli and political philosophy; Castiglione and the ideal of the modern gentleman. Ariosto and the Italian chivalric epic. Tasso and the counter-reformation. This course includes practice in the written as well as the spoken language.

Prerequisite, Course 1-2 or 13, 14 or the equivalent. 4 points. Not given in 1945-46.]

MISS CARBONARA.

19, 20. ITALIAN CIVILIZATION. *Winter session:* A study of Italian culture in the thirteenth and fourteenth centuries with special emphasis on Dante; Petrarch and early humanism. *Spring session:* A study of Italian culture from the fifteenth century to modern times with special emphasis on world exploration, the discovery of politics, Renaissance arts and social life, development of music, drama, opera, and modern science.

Open to students of all classes. Conducted in English. M., W. and F. at 2. 6 points. [0]

MISS CARBONARA.

21, 22. SPECIAL READING.¹ Discussions on readings in Italian art, history, science, music, and letters. Individual reading assignments are generally given in that field of Italian culture most intimately associated with the student's major interests.

Required of major students. With the written permission of the department this course may be taken in two successive years. Hours to be arranged. 4 or, with the written permission of the instructor, 6 points. [0]

PROFESSOR RICCIO and MISS CARBONARA.

[25, 26. CONTEMPORARY ITALY. The geographic basis of Italian life; the Italian tradition in political and social philosophy from Machiavelli to Pareto, Mosca and other contemporaries; recent economic history, leading to the development of the "corporate state"; social conditions; recent cultural trends; characteristics of the Italian people.

Open to students of all classes. Conducted in English. 6 points. Not given in 1945-46.]

PROFESSOR PREZZOLINI and MISS CARBONARA.

GRADUATE COURSES¹

Certain graduate courses given at Columbia University are open with the consent of the department and the Committee on Instruction of Barnard College to specially qualified seniors. A description of these courses will be found in the Announcement of the Division of Modern Languages and Literatures. The following is specially recommended as suitable for Barnard seniors:

**Italian* 101-102. A Survey of the History of Italian Literature. Full-year course. PROFESSOR PREZZOLINI. 6 points.

**Italian* 143-144. Italian Literature in the Nineteenth Century. Full-year course. Tu. and Th. at 4. PROFESSOR RICCIO. 6 points.

¹Conducted entirely in Italian.

LATIN

See *Greek and Latin*

MATHEMATICS

EDWARD KASNER, Ph.D.,¹ Adrian Professor of Mathematics
 GEORGE WALKER MULLINS, Ph.D., LL.D., Professor of Mathematics,
Executive officer
 EDGAR R. LORCH, Ph.D., Associate Professor of Mathematics
 MARY ELIZABETH LADUE, Ph.D., Instructor in Mathematics
 LOUISE M. COMER, Sc.M., Instructor in Mathematics

The courses in mathematics are arranged in two sequences, either of which is suitable for students electing mathematics as a cultural subject.

Sequence A is designed for students whose major interest lies in mathematics or in physics. In the courses of this sequence emphasis is placed on the formal and logical development of the subjects and also on the technic of operations and processes involved.

Sequence B is designed to meet the needs of students whose major interest lies in natural sciences other than physics, or in the social sciences. In the courses of Sequence B emphasis is placed on the practical application of elementary mathematics in the fields of science and social science. The cultural and vocational aspects of trigonometry, analytic geometry, the calculus, elementary mathematical statistics, and graphical methods are stressed.

The arrangement of courses in both sequences admits of considerable flexibility. For example, a student who has elected in her freshman year courses in Sequence B may, upon consultation with the department, be able to change to Sequence A at the beginning of her sophomore year. A similar shift may be made from Sequence A to Sequence B, but students must consult the department to avoid duplication of work.

A major in mathematics. Students majoring in mathematics will be required to take:

Mathematics. 28 points selected from Sequence A. With the approval of the department courses in Sequence B may also count toward the major.

Other fields. The work will vary with the special interest of the student and must be arranged in consultation with the major department.

SEQUENCE A

I. TRIGONOMETRY.

M., W. and F. at 9 (I); Tu., Th. and S. at 11 (II). 3 points.

DR. LADUE and MISS COMER.

7-8. See Sequence B.

22 (or 21R). ANALYTIC GEOMETRY. Introduction to the analytic geometry of the plane and of space.

¹Officer of Columbia University giving instruction in Barnard College.

Prerequisite, Course 1 or 7, Sequence B. Winter session only: 21R—M., W. and F. at 9 (I), at 3 (II). Spring session only: 22—M., W. and F. at 9 (I); Tu., Th. and S. at 11 (II). 3 points either session.

PROFESSOR LORCH, DR. LADUE, and MISS COMER.

24. ALGEBRA AND THE THEORY OF EQUATIONS. Complex numbers, theory of equations, determinants, series and exponential functions, partial fractions, mathematical induction.

M., W. and F. at 10. 3 points. [2]

PROFESSOR LORCH.

27. PROJECTIVE GEOMETRY. Perspectivity; homology; the principle of duality; involution; projective forms in relation to conic sections, leading up to the theorems of Pascal, Brianchon, and Desargues.

Prerequisite, Course 22 or 7-8, Sequence B. M., W. and F. at 10. 3 points. [2]

PROFESSOR MULLINS.

29. See Sequence B.

31-32 (or 32R-31R). CALCULUS. Differential and integral calculus. Full-year course.

Students electing 32R in the spring session must take 31R in the following winter session. Prerequisite, Course 22 or, upon consultation with the department, 7-8, Sequence B. Entire year: 31-32—M., W. and F. at 1. Spring session only: 32R (equivalent of 31)—M., W. and F. at 9 (I), at 3 (II). Winter session only: 31R (equivalent of 32)—M., W. and F. at 11 (I); at 1 (II). 6 points.

PROFESSORS MULLINS and LORCH, DR. LADUE, and MISS COMER.

33 (or 34R). CALCULUS. Continuation of the study of calculus.

Prerequisite, Course 31-32. Winter session only: 33—M., W. and F. at 1. 3 points. [4] Spring session only: 34R—M., W. and F. at 11. 3 points. [3]

PROFESSOR LORCH and MISS COMER.

44. THE THEORY OF SPACE AND TIME. The course will be divided into two parts. In the first, the foundations of euclidean and non-euclidean geometry, will be considered. The second is devoted to the special theory of relativity.

Prerequisite, Course 31-32. M., W. and F. at 1. 3 points. [4]

PROFESSOR LORCH.

47. ELEMENTARY THEORY OF NUMBERS. A study of the properties of whole numbers. A variety of important and historically interesting problems will be discussed on an entirely elementary basis. Among the topics to be dealt with are: divisibility; Euclid's algorithm; prime numbers; quadratic residues; diophantine equations; rings and fields.

Prerequisite, Courses 1 and 22 or Course 7-8, Sequence B. M., W. and F. at 9. 3 points. [1]

DR. LADUE.

56. DIFFERENTIAL EQUATIONS. An elementary course in differential equations. *Prerequisite, Course 33. M., W. and F. at 3. 3 points. [10]*
PROFESSOR MULLINS.

[58. HIGHER ALGEBRA. Fields, theory of equations in various fields, symmetric functions, elimination theory. Theory of determinants and matrices, systems of linear equations.

Preceding or parallel, Course 31-32. 3 points. Not given in 1945-46.]

PROFESSOR LORCH.

[133, 134. FUNDAMENTAL CONCEPTS OF MODERN MATHEMATICS. A general survey emphasizing the bearing of higher theories on elementary mathematics and the historical evolution of ideas. Topics treated: transformations and groups, conformal mapping, algebra of logic, point-sets and topology, imaginary and hypercomplex numbers. Applications to physics.

Preceding or parallel, Course 31-32. 6 points. Courses 133, 134 and 135, 136 are ordinarily given in alternate years. Not given in 1945-46.]

PROFESSOR KASNER.

135. SURVEY OF MODERN MATHEMATICS (ANALYSIS). A general course emphasizing the historical evolution of fundamental concepts. Development of the number system from integers to complex domain. Modern theory of infinity. The function concept. Algebra of logic. Applications to physics.

Preceding or parallel, Course 31-32. M., W. and F. at 11. 3 points. [3]

PROFESSOR KASNER.

136. SURVEY OF MODERN MATHEMATICS (GEOMETRY). The foundations of geometry. Elementary geometry of four dimensions. Analytic treatment of n-dimensions. Non-euclidean systems. Geometric groups. Applications to physics.

Preceding or parallel, Course 31-32. M., W. and F. at 11. 3 points. Courses 133, 134 and 135, 136 are ordinarily given in alternate years. [3]

PROFESSOR KASNER.

SEQUENCE B

7-8. MATHEMATICAL ANALYSIS. *Winter session:* Coördinates, graphs, frequency curves, index notation, common logarithms and their application, trigonometry and its application. *Spring session:* Analytic geometry: the straight line, the circle, the conic sections and exponential curves. Elementary treatment of the calculus and its application in finding rates, maximum and minimum values and areas. Graphical solution of polynomial equations. Full-year course.

M., W. and F. at 2 (I); Tu., Th. and S. at 9 (II). 6 points.

DR. LADUE and MISS COMER.

[29. GRAPHICAL AND NUMERICAL METHODS. Nomographic charts for calculation, solution of equations by graphical and numerical methods, numerical integration, numerical solutions of differential equations.

Prerequisite, Course 7-8 or 22, Sequence A. 3 points. Not given in 1945-46.]

PROFESSOR MULLINS.

MEDIEVAL STUDIES

See *Interdepartmental Courses*, page 47.

MUSIC

DOUGLAS STUART MOORE, A.B., Mus.B.,¹ Professor of Music,
Executive officer

OTTO LUENING, Associate Professor of Music on the Joline Foundation

SETH BINGHAM, A.B., Mus.B.,¹ Associate Professor of Music

PAUL HENRY LÁNG, Ph.D.,¹ Professor of Musicology

HERBERT DITTLER,¹ Assistant Professor of Music

WILLIAM J. MITCHELL, A.M.,¹ Assistant Professor of Music

CAROLYN P. CADY, A.M., Instructor in Music

NORMAND LOCKWOOD, Associate in Music

WILLARD RHODES, A.M.,¹ Associate in Music

HARWOOD SIMMONS, A.M., Mus.D.,¹ Associate in Music

ERICH HERTZMANN, Ph.D.,¹ Lecturer in Music

RUDOLPH THOMAS, A.M.,¹ University Classes

GEORGE HERZOG, Ph.D.,¹ Assistant Professor of Anthropology

Teaching Staff in Applied Music:

ALTA HILL, Piano

YELLA PESSL,¹ Harpsichord

DAGMAR RYBNER-BARCLAY, Voice

FRANK M. SHERIDAN, Piano

CARL WEINRICH, F.A.G.O.,¹ Organ

A major in music. Students intending to major in music should plan to take Courses 1a and 2 in the freshman year and Course 31-32 in the sophomore year as these courses are prerequisite to the advanced courses in literature, history, and theory which are normally included in a major program.

In general, major programs are planned to include some advanced work both in literature and history, and in theory. Ordinarily Courses 23-24 and 37-38 are required. Other applied music courses are counted toward fulfillment of the major but are not required. Music majors, whether or not registered in courses in applied music, are expected to participate in the undergraduate musical organizations.

Attendance at the Collegium Musicum meetings is compulsory for all music majors.

Other fields. A reading knowledge of German, Italian or French is required. Students planning to do graduate work must have two foreign languages one of which is German. *Italian* 1-2 is recommended for its relationship with the materials of *Music* 16. *Philosophy* 41-42 is recommended. Courses in history, literature or other fields which will vary with the special interest of the student should be elected after consultation with the major department.

Practice rooms. The department provides practice rooms for the use of stu-

¹Officer of Columbia University offering courses open to qualified Barnard students.

dents of piano and organ. Preference in assigning hours is given to those enrolled in courses given by the department in order of application. Application for practice time should be made to the department office, 407 Barnard, during registration and the first two days of classes. Organ students should apply to the Columbia departmental secretary, 601 Journalism.

Library. Books, scores, and records are available at the Barnard College Library. The department office, 407 Barnard, serves as a phonograph room. The Columbia Department of Music maintains in 701 Journalism a lending library of books and scores. In addition, phonographs with a large collection of records are available to students.

LITERATURE AND HISTORY

1-2. AN INTRODUCTION TO MUSIC. A study of the elements of musical structure designed to form intelligent habits of listening to music. The spring session is devoted to a study of selected masterpieces of the several great epochs of music, with emphasis on their style and structure. No previous knowledge of music is required.

Winter session: Tu. and Th. at 11 and an additional drill hour, Th. at 1. 603 Journalism. Spring session: Tu. and Th. at 11 and an additional hour, Th. at 1. 408 Barnard. 4 points. [8]

PROFESSORS MOORE and LUENING and MRS. CADY.

1a. AN INTRODUCTION TO MUSIC. Similar to Music 1 but with a more detailed study of rhythmic, melodic and harmonic notation, intervals and chords for students preparing for advanced courses in music.

Open on written permission of the instructor. Course 2 should follow. Tu. and Th. at 11. 408 Barnard. 2 points. [8]

MRS. CADY.

3. THE OPERA. A rapid survey of the development of opera from Monteverdi to the present.

Prerequisite, Course 1-2 or the equivalent. M., W. and F. at 2. 408 Barnard. 3 points. [5]

PROFESSOR LUENING.

4. THE SYMPHONY. Survey of symphonic style and structure from about 1750 to the present.

Prerequisite, Course 1-2 or the equivalent. M., W. and F. at 2. 408 Barnard. 3 points. [5]

MRS. CADY.

*13-14. LITERATURE OF CHAMBER MUSIC. A study of the literature of chamber music involving class analysis and performance of a selected list of compositions from the seventeenth century to the present day. Full-year course.

Prerequisite, Course 1a or the equivalent, and sufficient technical ability on piano, string, or wind instrument. Open only on written permission of the instructor. Tu., 3-5. 602 Journalism. 4 points.

PROFESSOR DITTLER.

[*19, 20. LITERATURE OF CHORAL MUSIC. *Not given in 1945-46.*]

*23-24. HISTORY OF MUSIC. A survey of the history of music from the beginning of the Christian era to the present. Full-year course.

Prerequisite, Course 31-32 or the equivalent. Tu. and Th. at 11 and Th. at 1. 703 Journalism. 6 points. [8]

PROFESSOR LÁNG.

*53, 54. FOLK, PRIMITIVE, AND ORIENTAL MUSIC. The study of music outside the range of cultivated music of the Western world; scale, melody, rhythm, form, and harmony in primitive music and folk music; a survey of the music of Oriental civilizations; the rôle of the social setting; demonstrations with phonograph records.

Prerequisite, Course 1a or the equivalent. M., 2-4. 703 Journalism. 4, or with the written permission of the instructor, 6 points. [5]

PROFESSOR HERZOG.

*57. BACH. A study of the content, forms, and styles of Bach's music.

Prerequisite, Course 31-32 or the equivalent. Tu. and Th. at 2. 603 Journalism. 2, or with the written permission of the instructor, 3 points. [9]

PROFESSOR MOORE.

*58. TWENTIETH-CENTURY TENDENCIES IN MUSIC. Lectures and discussions of the idioms, esthetics, forms, and styles of the chief contemporary composers.

Prerequisite, Course 31-32 or the equivalent. Tu. and Th. at 2. 603 Journalism. 2, or with the written permission of the instructor, 3 points. [9]

PROFESSOR MOORE.

[*109. MUSIC IN THE MIDDLE AGES. *Not given in 1945-46.*]

DR. HERTZMANN.

[*110. MUSIC IN THE RENAISSANCE. *Not given in 1945-46.*]

DR. HERTZMANN.

*111. BAROQUE MUSIC. A survey of baroque tendencies in music from the late sixteenth to the early eighteenth century, with detailed analysis of representative works.

Open to qualified seniors. Prerequisite, Course 23-24 or the equivalent. F., 3-5. 703 Journalism. 3 points.

DR. HERTZMANN.

*112. ROCOCO MUSIC. Discussion and analysis of rococo music during the eighteenth century based on the study of representative compositions.

Open to qualified seniors. Prerequisite, Course 23-24 or the equivalent. F., 3-5. 703 Journalism. 3 points.

DR. HERTZMANN.

Collegium Musicum meets several times a year on Monday evenings to be announced. College Parlor, Barnard.

The aim of this organization is to acquaint the students with certain neglected and unfamiliar masterpieces in the literature of music, in order to supplement concert and recital programs to be heard in the city and elsewhere. All students majoring in music are required to attend the meetings and are

urged to participate actively in the performance of vocal and instrumental music. The literature to be used embraces music from medieval times up to the present day. Emphasis is placed upon a variety of compositions and not on finished performance.

THEORY

31-32. HARMONY. A study of triads, tones of figuration, dissonance, and modulation. One hour each week is devoted to ear training. Students who register must be able to play the piano. Full-year course.

Prerequisite, Course 1A or the equivalent and the written permission of the instructor. M., W. and F. at 1. 408 Barnard. 6 points. [4]

MRS. CADY.

*35-36. COUNTERPOINT.

Prerequisite, Course 31-32 or the equivalent. M., W. and F. at 2. 602 Journalism. 6 points. [5] Full-year course.

PROFESSOR MITCHELL.

*37-38. ADVANCED HARMONY AND ANALYSIS. An analytical study of the elements of chromaticism. The exercises in various styles are taken from the literature and are designed to introduce the student to problems of musical texture. Full-year course.

Prerequisite, Course 31-32 or the equivalent. Parallel, advised but not required, Course 35-36. M., W. and F. at 10. 603 Journalism. 6 points. [2]

PROFESSOR MITCHELL.

*39-40. COMPOSITION A. Composition in the smaller forms, including songs, choral settings of carols and anthems, piano or organ solos, and pieces for violin or other instruments with piano. Full-year course.

Prerequisite, Course 31-32 or the equivalent. M. 3-5. 603 Journalism. 4 points. [10]

MR. LOCKWOOD.

*131-132. COMPOSITION. Canon and fugue are studied with practice in writing in these forms. Freer compositions are made for chorus, organ, piano and chamber-music groups. Full-year course.

Prerequisite, Course 35-36 and the written permission of the instructor. F., 3-5. 603 Journalism. 4 points.

MR. LOCKWOOD.

*133-134. ORCHESTRATION. The various instruments of the modern orchestra are described, with demonstrations by professional players. A considerable amount of arrangement for orchestra is a part of the work. Full-year course.

Prerequisite, Courses 35-36, 37-38 or the equivalent and written permission of the instructor. F., 4-6. 602 Journalism. 6 points.

PROFESSOR LUENING.

APPLIED MUSIC

Note. Each course in applied music must be taken parallel to a theoretical or historical course in music in order to count toward the degree.

*63-64. UNIVERSITY ORCHESTRA AND BAND. Properly qualified students are privileged to receive private lessons without special fee in connection with this course. Students not desiring credit are eligible to membership in the orchestra and band without fee.

Open only on written permission of the instructor. 601 Journalism. 2 points (see note, page 103).

Orchestra (I), M., 4-6 and W., 8-10 P.M. 312 Hamilton.

PROFESSOR DITTLER.

Band (II), Tu., 7:30-9:45 P.M. 312 Hamilton.

DR. SIMMONS.

*71-72. SCORE READING AND REPERTORY. A thorough study and analysis of a group of compositions representing various periods and styles. Lectures and practice in reading clefs and transposing instruments. Full-year course.

Prerequisite, Course 31-32 or the equivalent. Th., 2-4. 602 Journalism. 4 points. [9]

MR. THOMAS.

*75-76. CONDUCTING. The essentials of conducting, the technic of the baton, interpretation, repertory. Exceptionally qualified students have the opportunity of conducting orchestra, band, and choral ensemble. Full-year course.

Prerequisite, Course 31-32 or the equivalent and the written permission of the instructor; preceding or parallel, Course 71-72. W., 4-6. 602 Journalism. 4 points (see note, page 103).

MR. THOMAS.

79, 80. VOCAL INSTRUCTION. Private lessons in voice production and in interpretation. Coaching and repertory.

No student shall register for this course without consultation with the Music Department as early in the registration period as possible. Special fee, \$100 each session. One hour weekly to be arranged. 406 Barnard. 2 points (see note, page 103). [0]

MME. RYBNER-BARCLAY.

83, 84. ORGAN INSTRUCTION. Individual instruction in the technic of the instrument and a weekly class lesson, or lecture recital, on the interpretation of the works of representative organ composers.

Open only on written permission of the instructor. Hours to be arranged. 2 points (see note, page 103). [0]

83a, 84a. Private lessons. Special fee, \$100 each session.

83b, 84b. One hour a week in a group of three. Special fee, \$60 each session.

83c, 84c. One hour a week in a group of four. Special fee, \$45 each session.

MR. WEINRICH.

91, 92. PIANO INSTRUCTION FOR BEGINNERS. Private lessons in the technic of the instrument and in interpretation.

No student shall register for this course without consultation with the Music Department as early in the registration period as possible. Special

fee, \$55 each session. Hours to be arranged. 406 Barnard. 2 points (see note, page 103). [0]

MISS HILL.

93, 94. PIANO INSTRUCTION FOR ADVANCED STUDENTS. Private lessons in the technic of the instrument and in interpretation. Coaching and repertory.

No student shall register for this course without consultation with the Music Department as early in the registration period as possible. Special fee, \$160 each session. Hours to be arranged. 406 Barnard. 2 points (see note, page 103). [0]

MR. SHERIDAN.

*u95-u96. HARPSICORD INSTRUCTION. Private lessons at hours to be arranged.

Special fee, \$100 each session. A harpsichord is available for practice at no additional charge. (See note, page 103.) 2 points. [0]

MISS PESSL.

BARNARD GLEE CLUB. IGOR BUKETOFF, Director.

All Barnard students are eligible for membership. The repertory will consist chiefly of compositions for women's voices from the literature of the masters and representative contemporary composers and of arrangements of folk music of various countries.

Besides appearances at the College, the Glee Club's schedule normally includes broadcasts and concerts outside of college, joint programs with men's and other women's colleges and two concerts each season with the Columbia University Glee Club and the Columbia University Orchestra at which more elaborate choral works will be performed.

Rehearsals: Tu. and F., 5-6:15. 408 Barnard.

Audition dates: F., Sept. 28, and Tu., Oct. 2, 5-6:15. 408 Barnard.

CHAPEL CHOIR. DR. LOWELL P. BEVERIDGE, Director of Chapel Music. All men and women students of the University are eligible to sing in the Chapel Choir. Regular members of the Choir are entitled to a refund of a portion of their tuition fees.

Services: Daily except Saturday, 12-12:20, and Sunday at 11.

Rehearsals: M., W. and F., 5-6:15; Sunday, 9:45. Chapel Crypt.

Auditions: M., Sept. 24, 3-5; Tu., Sept. 25, 10-12 and 3-5; W., Sept. 26, 10-12. Chapel Crypt.

ORIENTAL CIVILIZATIONS

Courses in oriental language, literature, history, philosophy, and art, given at Columbia University and described in the Announcement of the Division of Ancient and Oriental Languages and Literatures, are, with the permission of the instructors and the Committee on Instruction of Barnard College, open to properly qualified seniors.

PHILOSOPHY

WILLIAM P. MONTAGUE, Ph.D., Johnsonian Professor of Philosophy

HELEN HUSS PARKHURST, Ph.D., Professor of Philosophy,

Executive officer

GERTRUDE V. RICH, Ph.D., Instructor in Philosophy

Since the philosopher raises fundamental questions about the universe, man, and human institutions, and since he endeavors to correlate the various fields of knowledge in his search for the good, the true, and the beautiful, philosophic study is peculiarly bound up with and dependent upon all other studies. According to which subdivision of the whole field of philosophy—ethics, logic, metaphysics, esthetics—particularly interests those majoring in the subject, one or another group of courses will be found especially valuable. Strongly recommended:

1) in connection with the study of *individual and social ethics* are certain courses in religion, psychology, anthropology, government, and sociology;

2) in connection with the study of *logic*, courses in mathematics, statistics, scientific method, and linguistics;

3) in connection with the study of *metaphysics*, courses in the sciences of inorganic and organic nature;

4) in connection with the study of *esthetics*, certain courses in music, fine arts, psychology, anthropology, and the literatures, ancient and modern.

5) in connection with the study of the *history* of philosophic ideas, courses in the history of science and in political and social history.

So intimately connected with the subject-matter of philosophy is the subject-matter dealt with in such courses that, by special arrangement, a limited number of points, not exceeding 6, in related departments, may count toward the 28-point requirement for a major in philosophy.

This major may be in either one of two fields:

A. In general philosophy which will include Courses 1, 12, 61-62 and other courses to be arranged in consultation with the department; or

B. In esthetics which will include Courses 41-42, 45, 61-62 and other courses to be arranged in consultation with the department.

(Note. A major in general philosophy will count in Group III. A major in esthetics will count in Group I. Since courses in esthetics are counted as part of a major in general philosophy, the 14-point requirement in Group I must be satisfied in other subjects. Since courses in general philosophy are counted as part of a major in esthetics, the 14-point requirement in Group III must be satisfied in other subjects. For all except major students courses in philosophy will count toward the 14-point requirement in the group indicated for each course by the statement made in connection with the point value.)

1 (or 2R). INTRODUCTION TO PHILOSOPHY. A survey of the various subdivisions of philosophic inquiry with special consideration of the metaphysics of materialism and idealism and their respective affiliations with natural science and with religion.

3 points either session in Group III. [16]

Winter session: 1—M., W. and F. at 9 (I). PROFESSOR PARKHURST. M., W. and F. at 11 (II). PROFESSOR MONTAGUE. Tu., Th. and S. at 9 (III), for freshmen only. DR. RICH.

Spring session: 2R. M., W. and F. at 9 (I). PROFESSOR PARKHURST. Tu., Th. and S. at 9 (II), for freshmen only. DR. RICH.

4. METAPHYSICS OF LIFE AND MIND. A continuation of the introductory study of philosophy, with particular stress upon the Cosmological positions of Dualism or Vitalism, and of Positivism and the related doctrine of Pragmatism.

Prerequisite, Course 1 or the equivalent. M., W. and F. at 11. 3 points in Group III. [3]

PROFESSOR MONTAGUE and DR. RICH.

6. LOGIC, INDUCTIVE AND DEDUCTIVE. A survey of the principles of Aristotelian logic.

M., W. and F. at 10. 3 points in Group II or III. [2]

PROFESSOR MONTAGUE.

21. RADICAL AND CONSERVATIVE MORALS. A study of contemporary ideals of individual life and social institutions.

Open to juniors and seniors and to qualified sophomores on written permission of the department. M., W. and F. at 10. 3 points in Group III. [2]

PROFESSOR MONTAGUE and DR. RICH.

23, 24. READINGS IN THE HISTORY OF ETHICS.

This course may be taken only in connection with Course 21. Hour to be arranged for individual conferences for the discussion of important texts. 2 points in Group III. [0]

DR. RICH.

41-42. GENERAL ESTHETICS. A survey of the main problems of esthetic theory including the origins of art, the nature of creative imagination and esthetic experience and the meaning of the beautiful, the sublime, the tragic, and the comic. The arts will be treated comparatively for a distinguishing of their similarities and differences of medium, subject-matter and esthetic form and for a consideration of their relations to the experienced world and everyday living. Full-year course.

Open to juniors and seniors and to qualified sophomores on written permission of the department. Tu. and Th. at 9. 6 points in Group I. [6]

PROFESSOR PARKHURST.

45. THE ESTHETICS OF POETRY AND PROSE. A study of the musical aspect of poetry—rhythm, rhyme, alliteration, and stanzaic patterns; of poetic imagery in prose as well as poetry; and of principles of prose style.

Tu., 2-4. 2 points in Group I. [9]

PROFESSOR PARKHURST.

53, 54. PROSE AND POETRY OR OTHER PROBLEMS OF ESTHETICS.

This course may be taken only in connection with some other course in esthetics. Hour to be arranged for individual conferences for the discussion of important texts. 2 points in Group I. [0]

PROFESSOR PARKHURST.

61-62. THE HISTORY OF PHILOSOPHY. Full-year course.

Open to juniors and seniors and to qualified sophomores on written permission of the department. M., W. and F. at 9. 6 points in Group III. [1]

PROFESSOR MONTAGUE and DR. RICH.

63, 64. READINGS IN THE HISTORY OF PHILOSOPHY.

This course may be taken only in connection with some other course in philosophy. Hour to be arranged for individual or group conferences for the discussion of important texts. 2 points in Group III. [0]

DR. RICH.

67. SEVENTEENTH AND EIGHTEENTH CENTURY BRITISH PHILOSOPHY AND ITS INFLUENCE. This course is designed to give the student an acquaintance with the general background of seventeenth and eighteenth century British thought, with special emphasis on the development of the liberal tradition in politics, religion, and ethics, and some knowledge of the influence of this tradition on French philosophy and on the American democratic ideal. To this end Newton and Locke and a number of other British philosophers, and certain French thinkers including Montesquieu, Voltaire, Helvetius, and Rousseau, are considered, as they affect the scientific world-picture and the developing belief in the natural rights of man.

Preceding or parallel, Philosophy 61-62, except by special permission. Tu. and Th. at 10 and a third hour to be arranged. 3 points in Group III. [7]

DR. RICH.

70. AMERICAN PHILOSOPHY. A brief development of the Puritan tradition in America and of the political philosophy out of which our institutions have grown will preface a consideration of the great schools of philosophy and their recent American representatives, especially Royce, James, Santayana, Dewey, and the Neo-Realists.

Prerequisite, Courses 1 and 12, or 61-62, except by special permission. Tu. and Th. at 10 and a third hour to be arranged. 3 points in Group III. [7]

DR. RICH.

PHILOSOPHY 91, 92. AMERICA AND THE FUTURE—SCHEMES FOR A BETTER WORLD.

This course may count toward a major in philosophy and in other subjects with the consent of the departments concerned. For full description see page 46. 4 or 6 points. [0]

PROFESSOR PARKHURST and DR. RICH with the collaboration of PROFESSOR MONTAGUE and guest speakers.

116. PHILOSOPHIES OF SPACE AND TIME. A study of these two all-embracing categories for their speculative interest in the context of religious and philoso-

phic thought and for their imaginative and emotional significance in esthetic experience. The topics to be considered include problems of space and time in Greek, medieval, and later philosophy; measurement of time in lunar and solar calendars associated, at the outset, with religious systems; and the expansion of spatial and temporal horizons resulting from a progressive recovery of the past, a more far-reaching anticipation of the future, and explorations of the earth and the heavens.

Open to seniors and, on written permission, to qualified juniors. Hours to be arranged. 2 points in Group I or III. [16]

PROFESSOR PARKHURST.

[145. THE MEDIEVAL SYNTHESIS. The philosophy of St. Thomas Aquinas, the Gothic Cathedral, and the Divine Comedy considered as three great expressions of the medieval mind and as interrelated masterpieces in which ancient symbolism, the classical heritage, and Christian doctrine were fused and harmonized.

Open to seniors and, on written permission, to qualified juniors. 3 points in Group I or III. Not given in 1945-46.]

PROFESSOR PARKHURST.

See also *Medieval Studies*, page 47.

PHYSICAL EDUCATION

AGNES R. WAYMAN, Pd.D.,¹ Associate Professor of Physical Education

MARION STRENG, A.M., Assistant Professor of Physical Education

MARGARET HOLLAND, A.M., Assistant Professor of Physical Education

Executive officer

LELIA M. FINAN, A.M., Associate in Physical Education

CORINNE BIZE, A.M., Instructor in Physical Education

FERN YATES, A.M., Instructor in Physical Education

MARGARET DEHAAN, Instructor in Physical Education

—————, Instructor in Physical Education

Aims and Objectives. The program provides the students with wholesome activity while in college. In addition, however, the program will help the students not only in the cultivation of certain personal skills which will be useful to them as adults, but also in the acquisition of such habits and attitudes, such knowledge and appreciations as will tend to make them progressively more self-directing in all problems relating to health, recreation, leisure-time pursuits, and social relationships. Special emphasis will be placed upon the activities and exercises which particularly develop strength, endurance, and control.

In addition to the medical certificate which the student presents before admission, a physical and medical examination at college is required of all students at entrance.

There is a prescribed dance and sports costume for all work (approximate cost, \$7; swimming suits, \$1.50). For further information inquire at Barnard Hall, room 209.

¹Absent on leave, 1945-46.

A1. RHYTHMIC AND SKILL FUNDAMENTALS. Body mechanics and correction of remedial defects are stressed.¹ *Prescribed for freshmen.*

M. and W. at 9 (I), at 10 (II), at 11 (III), at 2 (IV), at 3 (V)—2 hours; plus sports, games, or aquatics, 1 hour, on Tu., Th. or F.

A2. SPORTS, GAMES, DANCING, AQUATICS, INDIVIDUAL GYMNASTICS, AND OTHER ACTIVITIES¹ including remedial and corrective work, preferably on M., W. and F. *Prescribed for all freshmen who have completed A1. 3 hours.*

Students who fail to complete A1 whether for health or other reasons must consult Professor Wayman before registering for A2.

As soon as possible after the medical and physical tests are completed, each freshman will be given a motor capacity test and a classification test in swimming. The test results will be used as a partial basis for deciding the type of physical activity in which the student will participate. A medical and physical examination and a swimming test will be required at the end of the spring session. This combined program forms an *orientation* course for freshmen. A syllabus is used and some outside reading is required.

A course in personal hygiene (*Hygiene A1-A2*) is also prescribed for freshmen (see page 94).

B1, B2. SPORTS, GAMES, DANCING, AQUATICS, INDIVIDUAL GYMNASTICS, AND OTHER ACTIVITIES,¹ including remedial and corrective work. *Prescribed for sophomores. 3 hours.*

The type of activity offered will vary with the season and a student's choice should be governed by her health status, her defects, her interests, and her preferences. See *Syllabus* for full statement. *Sophomores are required to take three hours, two on Tu. and Th. and one on M., W. or F.*

C1, C2. SPORTS, GAMES, DANCING, AQUATICS, GYMNASTICS, AND OTHER ACTIVITIES,¹ to be elected in any authorized activity, depending upon the student's physical condition, her interests, and her preferences. Specific activity will be prescribed only in special cases. *Prescribed for juniors. 2 hours.*

M. to F. inclusive at hours to be arranged.

D1, D2. SPORTS, GAMES, DANCING, AQUATICS, GYMNASTICS, AND OTHER ACTIVITIES.¹ Substitution of approved activities will be allowed in special cases. *Prescribed for seniors. 2 hours.*

M. to F. inclusive at hours to be arranged.

Students who are accelerating will be required to take physical education during their entire college course but the number of hours per week will depend upon the academic status of the student and any deficiencies she may have acquired. If in doubt, consult Professor Holland.

All Activities classes are arranged on skill levels (beginning, intermediate, and advanced), and students should register accordingly.

Within the "time requirement," a group achievement plan has been set up. Students who fulfill these group requirements are excused from supervised

¹See program in Barnard Hall.

activity during the last half of their senior year, provided they are in good physical condition and have no remediable defects. See *Syllabus* for full details.

Students wishing to take up physical education as a profession are advised to consult Professor Holland early in their college career. It is not possible to major in physical education, but a course of study can be planned which will help to shorten post-graduate study in that field.

An intensive course for future student counselors for Barnard College Camp will be given at Camp in June after college closes. (Consult Professor Holland.)

Interested students are urged to choose their electives accordingly for all of the above specialized interests.

The *Red Cross Life Saving Course* and tests will be given each session and may be counted as a regular elective.

Special attention will be given to the development of *student officials* for sports and games.

COURSE FOR RECREATION AIDES

2aR. INTRODUCTORY COURSE. This course is planned to give students an intelligent understanding of the whole field of recreation in relation to leisure and the continually changing social and economic conditions in order to prepare them for social service as recreation aides. It will consist of lectures, discussion, practice, and participation in such recreational activities as community music, simple arts and crafts, informal dramatics and story-telling, games and social activities.

M. and W. at 4 and two hours a week for field work. 2 points. Spring session only.

PROFESSOR HOLLAND; Special lecturers from the departments of Sociology, Psychology, Music, English, and others.

Volunteer field work being done in connection with Psychology 27, 28 may be accepted in connection with this course also. (Consult Professor Holland.)

Essential: For students who are interested in recreation as a *field of work*, the following courses are essential: *Sociology 1-2, 11, 21, 22, 31, 32; Psychology 27, 28; Physical Education (Folk and Tap Dancing, Swimming, Sports, and Games).*

Recommended: *Music 1-2; Fine Arts 1-2; English 15, 16, 21-22, 23-24; Philosophy 41-42; Psychology 37; Red Cross Life Saving, First Aid, Camp Counselor*—short courses given by the Department of Physical Education.

Also: participation in extra-curricular activities particularly as they give experience and practice in programs and activities related to social work.

101, 102. DANCING, SPORTS, GAMES, AND SWIMMING for women graduate students under the Faculties of Philosophy, Political Science, and Pure Science, and women students in the professional schools of the University (excepting Teachers College). All regular sections are open, provided the registration is not already filled by undergraduate students. Graduate students who wish credit must take work in classes in which instruction is given and should avoid "open hour" sections.

3 hours. 2 points.

PHYSICS

HENRY A. BOORSE, Ph.D.,¹ Associate Professor of Physics,
Executive officer

AGNES TOWNSEND, Ph.D., Assistant Professor of Physics

A major in physics. Students majoring in physics will be required to take:
Physics. Courses to be arranged in consultation with the department.

Other fields. Mathematics: through the differential and integral calculus and, if possible, differential equations. Two semesters of calculus should be completed by the beginning of the junior year.

Chemistry. One year's work.

A reading knowledge of French and German.

A course in the biological sciences is recommended.

11-12. GENERAL PHYSICS. Full-year course.

Premedical students are advised to take the course for 9 points. Preceding or parallel, Mathematics 1 or 7-8. Open to all students. Lectures: M., W. and F. at 11. Laboratory: For students electing 8 points, 2 hours each session; for students electing 9 points, 2 hours winter session, 4 hours spring session. M., 2-4; Tu., 9-11, 2-4; Th., 1-3 and, if more than 56 students elect the course, F., 2-4. 8 or 9 points. [3]

PROFESSORS BOORSE and TOWNSEND.

17. MODERN PHYSICS. An elementary survey of the development of atomic theory from Dalton up to the present time, with special emphasis on the Rutherford-Bohr atom and its modification as demanded by contemporary advances. A brief treatment is then given of ionization of gases, spectroscopy, photoelectricity, X-rays, radioactivity, isotopes, cosmic rays, and transmutation of the elements.

Prerequisite, Course 11-12. M., W. and F. at 9. 3 points. [1]

PROFESSOR BOORSE.

20. PHOTOGRAPHY. The theories of optics as applied to photography and photomicrography. The principles of still and motion picture photography; infrared, ultra-violet and X-ray photography. The theory of color photography.

Prerequisite, Course 11-12, except on written permission of the instructor.

Lecture: Tu. at 11 and laboratory (4 hours) on Th. or F. 3 points. [8]

PROFESSOR TOWNSEND.

21. RADIO AND ELECTRONICS. An elementary course dealing with the fundamentals of radio, the properties of vacuum tubes and their application in typical radio circuits.

Prerequisite, Course 11-12 or written permission of the department.

Lecture: Th. at 3 and laboratory (4 hours) Tu., 2-4 and Th., 1-3. 3 points.

PROFESSOR TOWNSEND.

¹Absent on war service.

31. MECHANICS.

Prerequisite, Course 11-12 and Mathematics 31, except on written permission of the department. M., W. and F. at 1 and 2 hours of laboratory work. 4 points. [4]

PROFESSOR TOWNSEND.

34. LIGHT.

Prerequisite, Course 11-12. M., W. and F. at 10 and 2 hours of laboratory work. 4 points. [2]

PROFESSOR TOWNSEND.

36. ELECTRICITY AND MAGNETISM.

Prerequisite, Course 11-12. M., W. and F. at 1 and 2 hours of laboratory work. 4 points. [4]

PROFESSORS BOORSE OR TOWNSEND.

37, 38. SUPPLEMENTARY LABORATORY WORK in mechanics, heat, light or electricity, electronics and the properties of vacuum tubes may be arranged in consultation with the instructors.

Hours and credit by arrangement. [0]

PROFESSORS BOORSE AND TOWNSEND.

40. HEAT AND INTRODUCTION TO THERMODYNAMICS.

Prerequisite, Courses 31 and 36, except on written permission of the department. Preceding or parallel, Mathematics 31-32. Hours to be arranged. 4 points.

PROFESSOR BOORSE.

65, 66. SELECTED TOPICS IN MODERN PHYSICS. A seminar course in mathematical physics open to those students who have completed the departmental offering, or to specially qualified students who wish to investigate in detail one field of physics or one line of current research.

Open only on written permission of the department. Hours to be arranged. 6 points.

PROFESSORS BOORSE OR TOWNSEND.

PORTUGUESE

MARÍA DE LOURDES SA PEREIRA, A.M., Lecturer in Portuguese

1-2. ELEMENTARY FULL-YEAR COURSE. Grammar, reading of Portuguese and Brazilian authors, oral reports, and conversation.

This course may not be taken parallel to Italian 1-2 or Spanish 1-2. M., W. and F. at 3. 6 points. [10]

MRS. SA PEREIRA.

3, 4. INTERMEDIATE COURSE. Review of grammar and study of outstanding works in Portuguese and Brazilian literatures.

M., W. and F. at 2. 6 points. [5]

MRS. SA PEREIRA.

PSYCHOLOGY

HARRY L. HOLLINGWORTH, Ph.D., LL.D., Professor of Psychology,
Executive officer

RICHARD PARDEE YOUTZ, Ph.D.,¹ Assistant Professor of Psychology

S. STANSFELD SARGENT, Ph.D., Assistant Professor of Psychology

GELOLO MCHUGH, Ph.D., Instructor in Psychology

LOIS S. ADAMS, Ph.D., Instructor in Psychology

THEODORE KOESTER, A.M., Lecturer in Psychology

A major in psychology will satisfy the requirement in Group II. Students majoring in this subject must satisfy the 14-point requirement in Group III in subjects other than psychology. For other students, courses in psychology will count toward the requirement in the group indicated for each course by the statement made in connection with the point value.

A major in psychology. Students majoring in psychology will be required to take:

Psychology. Courses 1 or 2R, 7-8, 58 or a second course (total 6 points) in philosophy, and the additional points with the advice of the department.

Other fields. One course in philosophy (3 points); one year (8 points) in another laboratory science and an organized program in other fields to be arranged in consultation with the department.

Sequence of courses:

Courses 1 or 2R, 9, 11, 19 or 27, 24, 26, 28 make a good grouping for students interested in education.

Courses 1 or 2R, 9, 11, 19 or 27, 22, 24, 26, 28, 37 meet the interest of students in the social sciences, social work, business, and practical affairs.

Courses 1 or 2R, 7-8, 9, 11, 19, 22, 48, 58 constitute a good background for more advanced work in psychology and related fields.

Psychology majors who wish to prepare for welfare work should consult the department for details of the special program of courses in psychology and sociology. A course for Recreation Aides is given by the Department of Physical Education.

1 (or 2R). INTRODUCTION TO PSYCHOLOGY. An introduction to the chief facts, principles and problems of normal adult psychology, through systematic study of a text, lectures, exercises, and reading in special fields. This course is prerequisite for all other courses in psychology and in education.

4 points either session in Group III. [11]

Winter session: 1—M., W. and F. at 9 (I). DR. MCHUGH. M., W. and F. at 10 (II). PROFESSOR SARGENT. Tu., Th. and S. at 9 (III) for freshmen only. DR. ADAMS. Tu., Th. and S. at 10 (IV). DR. ADAMS.

Spring session: 2R—M., W. and F. at 10 (I). PROFESSOR SARGENT. M., W. and F. at 11 (II). DR. MCHUGH. Tu., Th. and S. at 9 (III) for freshmen only. DR. ADAMS. Tu., Th. and S. at 10 (IV). MR. KOESTER.

¹Absent on war service.

7-8. EXPERIMENTAL PSYCHOLOGY. The course presents the chief problems, methods, and results of experimental psychology. Each student conducts a series of typical individual experiments, participates in certain group experiments, prepares systematic reports of results, and is introduced to the literature of experimental psychology. Full-year course.

Prerequisite, Course 1 or the equivalent. (Written permission required for specific section.) 8 points in Group II. [11]

W. and F., 1-4 (I) limited to 18 students. MR. KOESTER.

W. and F., 1-4 (II) limited to 12 students. DR. ADAMS.

Tu. and Th., 2-5 (III) limited to 18 students. PROFESSOR SARGENT.

Tu. and Th., 2-5 (IV) limited to 12 students. DR. MCHUGH.

9. PSYCHOMETRIC METHODS. Designed to acquaint students with quantitative methods in psychology and allied subjects. Topics included are a review of basic statistics, psychological scaling methods, statistical estimation and prediction, testing hypotheses, measuring reliability and validity, and theory of test construction.

Prerequisite, Course 7-8. No credit allowed students who have taken Economics 18. M., W. and F. at 10. 3 points in Group II. [2]

MR. KOESTER.

11. PSYCHOLOGICAL TESTS. An introduction to standardized scales of mental measurement through demonstration of their nature, use and interpretation, and practice in their administration. Each student must arrange to bring at least one child to the college for examination for at least one afternoon laboratory period.

Prerequisite, Course 7-8. Tu. and Th. at 2 and M., 1-3. 3 points in Group II. [9]

PROFESSOR HOLLINGWORTH.

19. DEVELOPMENTAL PSYCHOLOGY. A survey of mental origins, of the developmental stages of human life through infancy, childhood, youth, maturity, and old age, with special reference to biological, psychological, and social factors in individual growth and adjustment and to the formulation of general developmental laws.

Open to juniors and seniors who have had Course 1 or the equivalent. Cannot be elected if Course 27 is taken. Tu. and Th. at 11. 3 points in Group II. [8]

PROFESSOR HOLLINGWORTH.

22. ABNORMAL PSYCHOLOGY. A general survey of the field of psychopathology, the history of the subject, the more common forms of mental inadequacy and disturbance and their psychological interpretation, including the principles of mental hygiene and psychotherapy.

Open to juniors and seniors who have had Course 19 or 27. Tu. and Th. at 11. 3 points in Group II. [8]

PROFESSOR HOLLINGWORTH.

24. APPLIED PSYCHOLOGY. Applications of psychology to problems of vocational guidance and selection, personnel, industrial efficiency, advertising and

selling, clinical work, detection and treatment of delinquents and criminals, and other problems of practical interest.

Prerequisite, Course 1 or the equivalent. Tu. and Th. at 10. 2 points in Group II. [7]

PROFESSOR SARGENT.

26. **PSYCHOLOGY OF PERSONALITY.** A survey of the contemporary methods and views of the description of the individual, including the factors in the development of personality and the practical aspects of personal adjustment in changing society. Attention is given to the contributions from experimental psychology.

Prerequisite, Course 1 or the equivalent. M. and W. at 9 and consultations in connection with work for the third point. 3 points in Group III. [1]

DR. ADAMS.

27. **PSYCHOLOGY OF CHILDHOOD.** A detailed study of the practical problems of infancy and early childhood, with special emphasis on learning, emotional development, social adjustment, and modern conceptions and methods of child training and guidance. Individual work (eight hours a week) with children on a volunteer basis may be had at the Manhattanville Day Nursery, upon consultation with the instructor.

Prerequisite, Course 1 or the equivalent. Cannot be elected if Course 19 is taken. M., W. and F. at 10. 3 points in Group III. [2]

DR. MCHUGH.

28. **PSYCHOLOGY OF ADOLESCENCE.** The mental, social, moral, and emotional development of adolescence and youth will be studied, special attention being given to such topics as guidance, adjustment, interests, motivation, home problems, sex relations, recreation, delinquency, and development for citizenship. Individual work with adolescent children.

Prerequisite, Course 19 or 27. Not open for credit to students who have taken or plan to take Education 51ES, 52ES. M., W. and F. at 10. 3 points in Group III. [2]

DR. MCHUGH.

37. **SOCIAL PSYCHOLOGY.** How the developing individual becomes socialized; effect of social factors upon habits, motives, attitude, and personality; influence of the group upon individual behavior; propaganda and public opinion; psychological aspects of social groups and institutions; psychological factors in social conflict. Significant research in the fields of psychology, sociology, and anthropology is surveyed and evaluated.

May count toward either a sociology or a psychology major. Prerequisite, Course 1 or 2R or Sociology 1-2. M., W. and F. at 3. 3 or, with additional conference hour to be arranged, 4 points in Group III. [10]

PROFESSORS WALLER AND SARGENT.

48. **INDIVIDUAL PROJECTS.** Qualified students will be guided and supervised in special projects or in the investigation of approved problems.

Open on written permission of the instructor only to major students who have had Course 7-8. Hours to be arranged. 2 points in Group II. [11]

PROFESSORS HOLLINGWORTH and SARGENT, DRs. MC HUGH and ADAMS, and MR. KOESTER.

58. SYSTEMATIC PSYCHOLOGY. A comparative, critical, and historical survey of the more influential points of view in psychology, with an endeavor to organize them into a consistent system of facts and principles. The instructor reviews contemporary viewpoints on selected representative topics and each student makes and reports studies, of important psychological people, institutions, or movements.

Required of all major students except those electing 6 points in philosophy, and open to those who have had Course 7-8. Tu. and Th. at 2 for lectures and discussions. 3 points in Group II. [9]

PROFESSOR HOLLINGWORTH.

PUBLIC ADMINISTRATION

See Government

RELIGION

HORACE L. FRIESS, Ph.D.,¹ Associate Professor of Philosophy,
Executive officer

URSULA M. NIEBUHR,² M.A. (Oxon.), Lecturer in Religion

ELEANOR B. MATTES, A.M., B.D., Lecturer in Religion

A major in religion. Students majoring in religion will be required to take:

Religion. At least 16 points, composed normally of Courses 1, 2, 3, 4 taken as 3-point courses and Course 11, 12.

Other fields. *Philosophy* 61-62 and at least 6 additional points to be chosen in consultation with the department from courses such as: *Anthropology* 14, *Fine Arts* 90, *History* 5, 6 and others in accordance with individual requirements.

Majors are also advised to consult with the department regarding the selection of courses outside these requirements, since work done in such fields as philosophy, psychology, anthropology, history, social sciences, literature, and fine arts can be so chosen as to contribute substantially to the study of religion.

1, 2. THE BIBLE. *Winter session:* The development of the religious ideas of the Old Testament, with reference both to the historical backgrounds and to the problems of expression involved. Study will be directed so that, in addition to the general survey, each student should have particular knowledge of the structure and content of at least one historical book, one prophetic book, and one poetic or wisdom book. *Spring session:* The thought and literature of the New Testament. The earliest records; a study of the Gospels in the making, and the content of the early preaching. St. Paul's letters; his theology and the development of the early church. The Book of Acts; the story of how the

¹Officer of Columbia University giving courses in Barnard College.

²Absent on leave.

Gospel spread from Jerusalem to Rome. The Johannine Gospel and Epistles. The Gospel in a gentile world. Persecutions and heresies. Other New Testament writings.

Tu. and Th. at 11. 4 or, with written permission of the instructor, 6 points. [8]

MRS. MATTES.

3, 4. A STUDY OF RELIGIONS. Forms which religion has taken in the past and is taking today will be illustrated and examined to clarify the general nature of religion and the diversity of its functions in the lives of individuals and societies. Illustrations will be taken from many cultures, thus giving an introduction to the general history of religions. Each student will also study more intensively the development of religion in some particular selected environment.

Open to all excepting freshmen. M. and W. at 3. 4 or, with written permission of the instructor, 6 points. [10]

PROFESSOR FRIESS.

[5, 6. THE HISTORICAL BACKGROUND AND EARLY DEVELOPMENT OF CHRISTIANITY.

4 or 6 points. Not given in 1945-46.]

MRS. NIEBUHR.

9, 10. RELIGION AND CONTEMPORARY SOCIAL ISSUES. An analysis of the contemporary situation, with consideration of the religious factors involved. Issues in the interpretation of human nature, freedom and order from a religious viewpoint. Discussion will include the relation of religious forces and presuppositions to the development of nationalism and democracy; varying religious positions on problems of international relations and war, social and economic justice, and of race. Religion and the ethics of social change.

Open to all excepting freshmen. Tu. and Th. at 10. 4 or, with written permission of the instructor, 6 points. [7]

MRS. MATTES.

11, 12. SPECIAL READING. A sequence of readings from a common list of basic books in the field of religion, and from important works bearing on the individual student's particular line of study in conjoined courses.

Required of majors in religion. Open to others by special permission only in connection with other work in religion. Conference hours to be arranged. 4 points. [0]

PROFESSOR FRIESS.

RENAISSANCE STUDIES

See Interdepartmental Courses, page 47.

RUSSIAN

ANDRÉ VON GRONICKA, Ph.D.,¹ Assistant Professor of German and Russian

1-2. ELEMENTARY FULL-YEAR COURSE. This course familiarizes the student with the proper pronunciation of Russian and furnishes her with a basic

¹Officer of Columbia University giving instruction at Barnard College.

vocabulary and training in the fundamental grammatical usages. Reading constitutes part of the work from the beginning, together with a considerable amount of colloquial practice in the phrases of everyday life. No previous knowledge of Russian is required.

This course may not be taken parallel to another elementary course in a modern language. M., W. and F. at 2.6 points. [5]

PROFESSOR VON GRONICKA.

*3, 4. INTERMEDIATE COURSE. A major part of the work consists of the reading of moderately difficult modern texts. This is correlated with practice in conversation and composition and a review of grammar.

Prerequisite, Russian 1-2, or the equivalent. M., W. and F. at 3. Philosophy Hall. 3 points. [10]

PROFESSOR VON GRONICKA.

SEMITIC LANGUAGES

Courses in Hebrew and Arabic language, literature, and history, given at Columbia University and described in the Announcement of the Division of Ancient and Oriental Languages and Literatures, are, with the permission of the instructors and the Committee on Instruction of Barnard College, open to properly qualified seniors.

SLAVONIC LANGUAGES

Courses in various Slavonic languages, given at Columbia University and described in the Announcement of the Division of Modern Languages and Literatures and in the Announcement of University Classes, are, with the permission of the instructors and the Committee on Instruction of Barnard College, open to properly qualified seniors.

SOCIOLOGY

WILLARD WALLER, Ph.D., Associate Professor of Sociology,
Executive officer

MIRRA KOMAROVSKY, Ph.D., Assistant Professor of Sociology
CORA KASIU,¹ Lecturer in Sociology

A major in sociology. Students majoring in sociology will be required to take:

Economics 1, 2, 17, and other courses which will vary with the interests of the students. With written permission of the department, one or more courses in allied subjects may be offered as part of the required 28 points. Only one introductory course may count toward the major.

Other social sciences. In view of the essential unity of the social sciences, every student majoring in sociology is required to take courses amounting to at least 12 points in two of the following departments: anthropology, economics, geography, government, history, philosophy, psychology, religion.

¹Absent on war service.

A major in economics and sociology. Students majoring in economics and sociology will be required to take:

Economics 1, 2, 13 or 14, 17, 27, 28; Sociology 1-2 and 31, 32, and at least one additional course in economics or sociology. Only one introductory course may count toward the major.

Other social sciences. See requirement stated above.

Sociology majors who wish to prepare for welfare work should consult the department for details of the special program of courses in psychology and sociology.

1-2. INTRODUCTION TO SOCIOLOGY. The elements of the social structure; customs, institutions and associations; group interests and group formations; social classes, the family, politics as conflict and compromise; analysis of social problems such as crime, race relations, problems of individual disorganization; problems of war and post-war reconstruction. Full-year course.

Open to all excepting freshmen. M. and W. at 11 and sections at one of the following hours: F. at 11, Th. at 1. 6 points. [3]

PROFESSORS WALLER and KOMAROVSKY.

[11. SOCIAL PSYCHOLOGY OF LEADERSHIP. The nature of leadership. Leadership in communities, primary groups, conflict groups, and associations. Leadership and social movements. Leadership in institutions of segregative care; the nature of highly organized relationships. Prestige and social distance. Ritual and leadership. Leadership in the subordinated or inmate group.

3 points. Not given in 1945-46.]

PROFESSOR WALLER.

12. THE SOCIOLOGY OF WAR. The impact of war upon social institutions. Social disorganization and war. Propaganda and public opinion in war. Problem of morale in a nation at war. Social organization and morale.

Open to juniors and seniors. Prerequisite, Course 1-2 or the written permission of the instructor. M., W. and F. at 2. 3 points. [5]

PROFESSOR WALLER.

15. CRIMINOLOGY. Crime as a social problem. Crime in relation to economic and social structure. Classes of crimes in relation to social policy. Crime and social change. Causation of crime. Penology; the rôle of courts, jails, and prisons in the treatment of criminals. Probation and parole. Juvenile delinquency and specialized methods of dealing with juvenile offenders. The impact of war upon the problem of crime.

Open to juniors and seniors. Prerequisite, Course 1-2 or the written permission of the instructor. M., W. and F. at 2. 3 points. [5]

PROFESSOR WALLER.

21, 22. AN INTRODUCTION TO THE FIELD OF SOCIAL WORK. A description of types of social work found in present-day practice and an interpretation of main underlying principles; social work organizations and the various methods employed in meeting social problems.

Open to juniors and seniors. Course 21 is prerequisite for Course 22. Th., 1-3 and a third hour to be arranged. 4 or 6 points. [12]

31, 32. THE FAMILY. The family in primitive and historic society; the Industrial Revolution and the evolution of the modern family; changes in family functions, in the rôle of women, the growing instability, and other trends of change in the modern family; social interaction in the contemporary family; courtship; problems of marriage adjustment; the child in the family; family disorganization; current research; war and the family; probable direction of future change.

Prerequisite, Course 1-2 or Psychology 1 or 2R. Course 31 is prerequisite for Course 32. Tu., 2-4. 4 or 6 points. The work of the third point usually consists of a joint research project covering some phase of the subject. [9]

PROFESSOR KOMAROVSKY.

[41, 42. SOCIO-ECONOMIC TRENDS AND PROBLEMS. The interrelations of changing economic and social organization and social habits as affected by scientific discoveries and inventions. Among the subjects to be discussed are population trends and problems, shifts in social and economic stratification, urbanization and the problems of the community in wartime.

Prerequisite, Course 1-2 or Economics 1, 2. Course 41 is prerequisite for Course 42 except by written permission of the instructor. This course may count toward a major in economics. 4 points. Not given in 1945-46.]

PROFESSOR KOMAROVSKY.

97, 98. SOCIOLOGY SEMINAR.

Open only to seniors on written permission of the instructors. Hours and subject to be arranged. 4 or 6 points. [0]

PROFESSORS WALLER and KOMAROVSKY.

PSYCHOLOGY 37. SOCIAL PSYCHOLOGY. How the developing individual becomes socialized; effect of social factors upon habits, motives, attitudes, and personality; influence of the group upon individual behavior; propaganda and public opinion; psychological aspects of social groups and institutions; psychological factors in social conflict. Significant research in the fields of psychology, sociology, and anthropology is surveyed and evaluated.

Credit in either sociology or psychology. Prerequisite, Psychology 1 or 2R or Sociology 1-2. M., W. and F. at 3. 3 or, with additional conference hour to be arranged, 4 points in Group III. [10]

PROFESSORS WALLER and SARGENT.

GRADUATE COURSES

Certain graduate courses given at Columbia University are open with the consent of the department and the Committee on Instruction of Barnard College to specially qualified seniors. A description of these courses will be found in the Announcement of the Division of History, Economics, Public Law, and

Sociology. The following are specially recommended as suitable for Barnard seniors:

**Government* 171, 172. Modern Ideas of the State. PROFESSOR MACIVER. 6 points.

**Sociology* 101. Contemporary American Sociology. PROFESSOR WALLER. 3 points.

SPANISH

AMELIA A. DE DEL RÍO, A.M., Assistant Professor of Spanish,
Executive officer

MARGARITA DACAL, A.M., Instructor in Spanish

EUGENIO FLORIT, LL.D., Instructor in Spanish

MARGARITA B. HOGAN, A.M., Lecturer in Spanish

A major in Spanish. Students majoring in Spanish will be required to take:

Spanish. Courses 3, 4 or 5, 6; 13, 14, 15-16, 19, 22, and 23; and either 17-18 or a more advanced course to be chosen in consultation with the department.

Other fields. Courses will vary with the special interest of the student and should be arranged in consultation with the major department.

LANGUAGE COURSES

1-2. ELEMENTARY FULL-YEAR COURSE. Grammar, reading, conversation.

This course may not be taken parallel to Italian 1-2 or Portuguese 1-2. M., W. and F. at 9 (I), at 2 (II); Tu., Th. and F. at 3 (III). 6 points. [17]

PROFESSOR DEL RÍO, MRS. DACAL, and MRS. HOGAN.

3, 4. INTERMEDIATE COURSE. A rapid review of grammar and syntax, conversation, and reading and discussion of important works in Spanish and Spanish American literatures.

Prerequisite for Course 3, Course 1-2 or two years of high school Spanish. Prerequisite for Course 4, Course 3 or three years of high school Spanish. M., W. and F. at 9 (I), at 1 (II); M., W. and F. at 2 (III). 6 points. [17]

PROFESSOR DEL RÍO, DR. FLORIT, and MRS. DACAL.

3R. INTERMEDIATE COURSE IN GRAMMAR AND COMPOSITION. PART II. The equivalent of Course 4 given for students who have had three years of high school Spanish. Emphasis on oral self-expression and written translation.

M., W. and F. at 11. 3 points. [3]

MRS. DACAL and MRS. HOGAN.

4a. ADVANCED COURSE IN GRAMMAR AND COMPOSITION. Emphasis on original writing of stories, short plays, and essays.

Prerequisite, Course 3R or 4. M., W. and F. at 11. 3 points. [3]

MRS. DACAL.

5, 6. SPANISH COMPOSITION. Study of the style of modern authors, oral and written composition, and translation into Spanish.

Prerequisite, Course 3. Tu. and Th. at 11. 4 points. [0]

DR. FLORIT and MRS. DACAL.

9-10. ELEMENTARY SPANISH CONVERSATION. Full-year course.

Open only to students taking another Spanish course, either semester. Th. at 1 (I), at 3 (II). 2 points. [0]

MRS. DACAL and MRS. HOGAN.

11-12. ADVANCED SPANISH CONVERSATION. Discussions and reports on Spanish subjects. Full-year course.

Open only to students taking another Spanish course, either semester. Th. at 1. 2 points. [0]

PROFESSOR DEL RÍO and DR. FLORIT.

LITERATURE COURSES¹13, 14. THE CULTURE OF THE SPANISH COUNTRIES. *Winter session:* The history and culture of Spain. *Spring session:* The development of Spanish American culture.

Prerequisite, Course 3, 4 or 5, 6. Tu. and Th. at 10. 4 points. [7]

DR. FLORIT.

15-16. INTRODUCTION TO SPANISH LITERATURE. Lectures on the history of Spanish literature, reading, reports, and discussion of the outstanding works and authors up to the end of the nineteenth century. Full-year course.

Prerequisite, Course 3, 4 or 3R, 4a or 5, 6. M., W. and F. at 10. 6 points. [2]

DR. FLORIT.

17-18. THE SPANISH DRAMA OF THE GOLDEN AGE. *Winter session:* Reading and discussion of the medieval antecedents and the sixteenth-century theatre, including Lope de Vega. *Spring session:* The theatre after Lope de Vega, with emphasis on Calderôn. Full-year course.

Prerequisite, Course 15-16. M., W. and F. at 1. 6 points. [4]

PROFESSOR DEL RÍO.

19. NINETEENTH CENTURY LITERATURE. A study of the main currents of the literature of the nineteenth century, with emphasis on the realistic period.

Prerequisite, Course 13, 14, or 15-16. Tu. and Th. at 2. 2 points. [9]

MRS. DACAL.

22. CONTEMPORARY SPANISH LITERATURE. A study of outstanding authors from 1898 to the present day.

Prerequisite, Course 13, 14 or 15-16. Tu. and Th. at 9. 2 points. [6]

PROFESSOR DEL RÍO.

23. SPANISH AMERICAN LITERATURE.

Prerequisite, Course 13, 14 or 15-16 except on written permission of the department. Tu. and Th. at 9. 2 points. [6]

DR. FLORIT.

¹All courses are conducted entirely in Spanish.

GRADUATE COURSES

Certain graduate courses given at Columbia University are open with the consent of the department and the Committee on Instruction of Barnard College to specially qualified seniors. A description of these courses will be found in the Announcement of the Division of Modern Languages and Literatures. All courses are conducted entirely in Spanish.

ZOÖLOGY

LOUISE HOYT GREGORY, Ph.D., Professor of Zoölogy,
Executive officer

FLORENCE DE LOISELLE LOWTHER, Ph.D., Associate Professor of Zoölogy

JOHN A. MOORE, Ph.D., Assistant Professor of Zoölogy

GRACE SPRINGER FORBES, Ph.D., Instructor in Zoölogy

GEORGIANNA GREVATT ZIMM, A.M., Lecturer in Zoölogy

A major in zoölogy. Students majoring in zoölogy will be required to take:

Zoölogy. Course 1-2 and other courses in combination or in sequence which will vary with the individual interest and purpose of the student and should be arranged in consultation with the department.

Other fields. The work will vary with the special interest of the student and should be arranged in consultation with the major department.

1-2. GENERAL ZOÖLOGY. An elementary course covering the general characteristics of living organisms, the major invertebrate phyla, the important parasites of man, the structure and development of the vertebrates, human physiology, heredity, and evolution. Full-year course.

Lectures: M., W. and F. at 9. *Laboratory (4 hours):* M. and W., 2-4 (I), Tu and Th., 9-11 (II), Tu. and Th., 2-4 (III), F., 1-4:30 (IV).

10 points. [1]

PROFESSOR MOORE AND ASSISTANTS.

5. EVOLUTION OF MAN.

Prerequisite, Course 1-2. Tu. and Th. at 10 and a third hour to be arranged for museum trips and conferences. 3 points. [7]

PROFESSOR LOWTHER.

[9-10. HUMAN BIOLOGY. An elementary course designed especially for students whose interests are not primarily zoölogical. Full-year course.

Open to students of all classes. Will not satisfy the requirement of a laboratory science. Lectures, conferences, and demonstrations. 6, or, if preceded or followed by 1-2, 4 points. Not given in 1945-46.]

PROFESSOR LOWTHER.

13. HISTOLOGY AND HISTOLOGICAL METHODS.

Prerequisite, Course 1-2. Lectures: Tu. and Th. at 11. Laboratory and conferences (6 hours): M. and W., or Tu. and Th., 2-5. 5 points. [8]

DR. FORBES.

14. EMBRYOLOGY AND EMBRYOLOGICAL METHODS.

Prerequisite, Course 1-2. Lectures: Tu. and Th. at 11. Laboratory: For students taking 3 points (2 hours), W., 2-4; for students taking 5 points (6 hours), Tu. and Th., 2-5. 3 or 5 points, to be arranged with the department before registration. [8]

DR. FORBES.

30. BIOLOGY OF THE ENDOCRINE ORGANS. The structure, embryology, and evolutionary history of the endocrine glands with special emphasis on their control of development.

Prerequisite, Courses 1-2 and 13 and Chemistry 5-6. Preceding or parallel, Course 14. Open to seniors and to qualified juniors on written permission of the department. Tu. and Th. at 9 and a third hour to be arranged for conferences and demonstrations. 3 points. [6]

DR. FORBES.

97-98. COMPARATIVE MORPHOLOGY AND PHYSIOLOGY OF VERTEBRATES. Practical course in dissection and experimentation, with special reference to the mammalia. Recommended for premedical students and technicians. Full-year course.

Prerequisite, Course 1-2 and Chemistry 5-6. By special permission, qualified students may take the anatomy or the physiology only for 6 points. Lectures: M., W. and F. at 10. Laboratory (6 hours): M. and W., 2-5 or Tu. and Th., 2-5. 12 points. [2]

PROFESSORS GREGORY and LOWTHER and MRS. ZIMM.

122. ANIMAL ECOLOGY. A study of the interrelation between the organism and its environment. The field work will consist of a study of the local marine, terrestrial, and fresh water habitats.

Prerequisite, Course 1-2; a course in advanced invertebrate zoölogy is recommended. Lectures: Tu. and Th. at 9. Laboratory and field trip hours to be arranged. 4 points. [6]

PROFESSOR MOORE.

[151. PHYSIOLOGY. General principles of animal physiology.

Prerequisite, Course 1-2 and Chemistry 5-6. Open to seniors. 6 points. Not given in 1945-46.]

PROFESSOR GREGORY.

161, 162. ADVANCED INVERTEBRATE AND VERTEBRATE MORPHOLOGY, PHYSIOLOGY, HISTOLOGY, AND EMBRYOLOGY.

Work will be planned to suit the needs of students after consultation with the instructors. Hours and credit by arrangement. [0]

PROFESSORS GREGORY, LOWTHER, and MOORE and DR. FORBES.

GRADUATE COURSES

Certain graduate courses given at Columbia University are open with the consent of the department and the Committee on Instruction of Barnard College to specially qualified students. The following are recommended:

*Zoölogy 101. General Zoölogy. PROFESSOR RYAN. 6 points.

*Zoölogy 107. Genetics I. PROFESSOR DOBZHANSKY. 3-5 points.

*Zoölogy 108. Genetics II. PROFESSOR DUNN. 3-5 points.

EXAMINATION GROUPING OF BARNARD COLLEGE COURSES

1945-1946

Courses in Barnard College are arranged in examination groups in order to avoid conflicts on the examination schedule. These groups are indicated by Arabic bold-face numerals in brackets immediately following the statement of points. *Group 0* includes courses which ordinarily do not have set examinations. No student may elect two courses in the same examination groups (except *Group 0*) *without making special arrangements through the Registrar's office for doing so.*

GROUP 1

M., W., and F. at 9

Botany 57 (M. and W. at 9)

Chemistry 41-42

Chemistry 41a

English 53, 54

French 1-2

Government 1, 2

History 5, 6

Italian 1-2

Latin 3, 4

Latin 21, 22

Mathematics 47

Philosophy 61-62

Physics 17

Psychology 26 (M. and W. at 9)

Zoölogy 1-2

GROUP 2

M., W., and F. at 10

Chemistry 63, 64

Chemistry 105, 106

Economics 21, 22

English 77-78

Fine Arts 41

Fine Arts 90

French 21, 22

Geography 10

Geology 3

German 5, 6

Greek 11, 12

History 9, 10

History 25, 26

Mathematics 24

Mathematics 27

Music 37, 38

Philosophy 6

Philosophy 21

Physics 34

Psychology 9

Psychology 27, 28

Spanish 15, 16

Zoölogy 97, 98

GROUP 3

M., W., and F. at 11

Botany 55-56 (M. and W. at 11)

Chemistry 145, 146

Chemistry 150

Economics 27, 28

English 41-42

English 73, 74

French 33, 34 (M. and W. at 11)

German 7, 8

Government 3, 4

Greek 21, 22 (W. and F. at 11)

Mathematics 34R

Mathematics 135, 136

Philosophy 4

Physics 11-12

Sociology 1-2 (M. and W. at 11 and third hour)

Spanish 3R

Spanish 4a

GROUP 4

M., W., and F. at 1

Botany 151-152 (M. and W. at 1)

Chemistry 65, 66 (F. at 1)

English 61, 62

English 63

French 6R

French 25, 26

Government 23, 24

History 15, 16

History 23, 24

Latin 11, 12

Mathematics 33

Mathematics 44

Music 31-32

Physics 31

Physics 36

Spanish 17, 18

GROUP 5

M., W., and F. at 2

Archaeology 72 (M. and W. at 2)

Education 51ES, 52ES (M. at 2, W. 2-4)

English 27, 28

English 65, 66

Fine Arts 51, 52

French 13, 14

Geology 27, 28

Latin 1-2

Music 15, 16

*Music 53, 54 (M., 2-4)

*Music 35, 36 (M. and F. at 2 and third hour)

Portuguese 3, 4

Russian 1-2

Sociology 12

Sociology 15

GROUP 6

Tu. and Th. at 9

Anthropology 14 (Tu. 9-11 and Th. at 9)

Anthropology 17 (Tu. 9-11 and Th. at 9)

Botany 51-52

Comparative Literature 6 (Tu. and Th. at 9 and third hour)

Economics 15, 16 (Tu. and Th. at 9 and third hour)

English 25, 26 (Tu. and Th. at 9 and third hour)
 Geography 1-2 (Tu. and Th. at 9 and Th. at 1)
 Government 49, 50
 Latin 25, 26
 Philosophy 41-42
 Spanish 22
 Spanish 23
 Zoölogy 30 (Tu. and Th. at 9 and third hour)
 Zoölogy 122

GROUP 7

Tu. and Th. at 10
 Botany 64
 Chemistry 5-6 (Tu. and Th. at 10 and third hour)
 Classical Civilization 49, 50
 Economics 17, 18 (Tu. and Th. at 10 and third hour)
 English 69, 70 (Tu. and Th. at 10 and third hour)
 Fine Arts 1-2
 Fine Arts 62 (Tu. and Th. at 10 and Th. at 1)
 French 9, 10
 History 17, 18 (Tu. and Th. at 10 and Th. at 3)
 History 33, 34
 Philosophy 67 (Tu. and Th. at 10 and third hour)
 Philosophy 70 (Tu. and Th. at 10 and third hour)
 Psychology 24
 Religion 9, 10
 Spanish 13, 14
 Zoölogy 5

GROUP 8

Tu. and Th. at 11
 Botany 58
 Classical Civilization 55, 56
 Economics 13, 14 (Tu. and Th. at 11 and third hour)
 English 49, 50 (Tu. and Th. at 11 and third hour)
 English 67, 68 (Tu. and Th. at 11 and third hour)
 Fine Arts 65, 66 (Tu. and Th. at 11 and third hour)
 Geology 1, 2
 German 25, 26
 Greek 25, 26
 Music 1a
 Music 1-2 (Tu. and Th. at 11 and Th. at 1)
 *Music 23, 24 (Tu. and Th. at 11 and Th. at 1)
 Physics 20 (Tu. at 11)
 Psychology 19
 Psychology 22
 Religion 1, 2
 Zoölogy 13, 14

GROUP 9

Tu. and Th. at 2
 Anthropology 1, 2 (Tu., 2-4)
 Classical Civilization 53, 54
 Economics 4
 Education 53ES, 54ES (Tu. at 2 and Th. 2-4)
 English 71, 72 (Tu. at 2 and Th. 2-4)
 Fine Arts 75, 76 (Tu. and Th. at 2 and third hour)
 Geology 15
 German 51 (Tu., 2-4)
 Greek 1-2 (M., T., W., Th., and F., at 2)

History 11, 12 (Tu. and Th. at 2 and third hour)
 *Music 57, 58
 *Music 71-72 (Th., 2-4)
 Philosophy 45 (Tu., 2-4)
 Psychology 19
 Psychology 58
 Sociology 31, 32 (Tu., 2-4)
 Spanish 19

GROUP 10

M., W., and F., at 3
 Anthropology 51, 52 (W., 3-5)
 Botany 59 (M. and W. at 3)
 Botany 60 (M. at 3)
 Government 11, 12 (W. at 3)
 History 37, 38
 Mathematics 56
 *Music 39-40 (M. at 3)
 Portuguese 1-2
 Psychology 37
 Religion 3, 4 (M. and W. at 3)
 *Russian 3, 4

GROUP 11

Psychology 1 or 2R (Sections)
 Psychology 7-8 (Sections)
 Psychology 48 (Hours to be arranged)

GROUP 12

Hygiene A (Sections)
 Sociology 21, 22 (Th. 1-3 and third hour)

GROUP 13

American Studies 3-4 (Tu., 3-5)
 English A (Sections)
 Geology 30 (Tu. and Th. at 3)
 Government 7-8 (Tu., 3-5)

GROUP 14

French 3, 4 (Sections)
 French 3R (Sections)
 French 5, 6 (Sections)
 French 5x, 6x (Sections)
 French 6xR (Sections)
 French 7, 8 (Sections)

GROUP 15

German 1-2 (Sections)
 German 3, 4 (Sections)

GROUP 16

Philosophy 1 or 2R (Sections)
 Philosophy 116 (Hours to be arranged)

GROUP 17

Italian 11-12 (Hours to be arranged)
 Spanish 1-2 (Sections)
 Spanish 3, 4 (Sections)

GROUP 18

Economics 1, 2 (Sections)
 Economics 41-42 (F., 4-6)

GROUP 0

There is no restriction on courses in this group. They may be taken together or with courses in other groups, provided there is no conflict in class hours. *Group 0* includes courses which ordinarily do not have set examinations.

Botany 161, 162
Economics 51, 52
English D
English 1, 2
English 3, 4
English 11, 12
English 15
English 21-22
English 23-24
English 81
English 91, 92
French 11, 12
French 17, 18
French 23, 24
French 125, 126
German 9, 10
Greek 19-20
Greek 29-30
History 45, 46
International Studies 51-52
Italian 13, 14
Italian 19, 20
Italian 21, 22
Latin 29-30
Music 79, 80
Music 83, 84
Music 91, 92
Music 93, 94
Philosophy 23, 24
Philosophy 53, 54
Philosophy 63, 64
Philosophy 91, 92
Physics 37, 38
Religion 11, 12
Sociology 97, 98
Spanish 5, 6
Spanish 9, 10
Spanish 11, 12
Zoölogy 161, 162

Graduate and late afternoon courses with no group numbers.

*Greek 139-140
*Latin 139-140
*Music 63, 64
*Music 75-76
*Music 111
*Music 112
*Music 131-132
*Music 133-134

University Classes (Extension)

*Drawing and Painting u11-u12
*Music u95, u96

Courses for which examinations will be arranged later.

American Studies 1-2
Anthropology 5, 6
Anthropology 7, 8
Botany 160
Chemistry 157, 158
Contemporary Problems 1 or 2R
Economics 29
English 83, 84
Fine Arts 67
French 19-20
History 1-2
Government 15
Latin 19-20
Mathematics 1
Mathematics 7-8
Mathematics 22 (or 21R)
Mathematics 31-32
Mathematics 32R-31R
Music 13-14
Physics 21
Physics 40
Physics 105, 106
Recreational Leadership 2aR

Hours	MONDAY	TUESDAY	WEDNESDAY
A.M.	Botany 57 Chemistry 41-42 Chemistry 41a Economics 1, 2 (IV) English A (Ia) English 53, 54 French 1-2 French 5, 6 (I) French 5x, 6x (I) French 7, 8 (I) French 17, 18 German 1-2 (I) Government 1, 2 History 1-2 (I, IV) History 5, 6 Italian 1-2 Latin 3, 4 Latin 21, 22 Mathematics 1 (I) Mathematics 21R (I), 22 (I) Mathematics 32R (I) Mathematics 47 Philosophy 1 (I) or 2R (I) Philosophy 61-62 Physics 17 Psychology 1 (I) Psychology 26 Spanish 1-2 (I) Spanish 3, 4 (I) Zoölogy 1-2	Anthropology 14 Anthropology 17 Botany 51-52 Comparative Literature 5, 6 Economics 15, 16 English 25-26 French 3, 4 (II) Geography 1-2 German 1-2 (III) Government 49, 50 Latin 25, 26 Mathematics 7-8 (II) Philosophy 1 (III) or 2R (II) Philosophy 41-42 Psychology I (III) or 2R (III) Spanish 22 Spanish 23 Zoölogy 30 Zoölogy 122	Botany 57 Chemistry 41-42 Chemistry 41a Economics 1, 2 (IV) English A (Ia) English 53, 54 French 1-2 French 5, 6 (I) French 5x, 6x (I) French 7, 8 (I) French 17, 18 German 1-2 (I) Government 1, 2 History 1-2 (I, IV) History 5, 6 Italian 1-2 Latin 3, 4 Latin 21, 22 Mathematics 1 (I) Mathematics 21R (I), 22 (I) Mathematics 32R (I) Mathematics 47 Philosophy 1 (I) or 2R (I) Philosophy 61-62 Physics 17 Psychology 1 (I) Psychology 26 Spanish 1-2 (I) Spanish 3, 4 (I) Zoölogy 1-2
9			
10	Chemistry 63, 64 Chemistry 105, 106 Economics 1, 2 (I) Economics 21, 22 English A (IIa, b) English 77, 78 Fine Arts 41 Fine Arts 67 (I) Fine Arts 90 French 5x, 6x (II) French 7, 8 (II, III) French 21-22 French 23-24 Geography 10 Geology 3 German 5, 6 Greek, 11, 12 History 9, 10 (I, II) History 25, 26 Mathematics 24 Mathematics 27 *Music 37-38 Philosophy 6 Philosophy 21 Physics 34 Psychology 1 (II) or 2R (I) Psychology 9 Psychology 27, 28 Spanish 15-16 Zoölogy 97-98	Anthropology 14 Anthropology 17 Botany 69 Chemistry 5-6 Classical Civilization 49, 50 Economics 17, 18 English A (VIa) English 3, 4 English 69, 70 Fine Arts 1-2 Fine Arts 62 French 9, 10 German 9, 10 History 1-2 (III) History 11, 12 History 17, 18 History 33, 34 Philosophy 67 Philosophy 70 Psychology I (IV) or 2R (IV) Psychology 24 Religion 9, 10 Spanish 13, 14 Zoölogy 5	Chemistry 63, 64 Chemistry 105, 106 Economics 1, 2 (I) Economics 21, 22 English A (IIa, b) English 77, 78 Fine Arts 41 Fine Arts 67 (I) Fine Arts 90 French 5x, 6x (II) French 7, 8 (II, III) French 21-22 French 23-24 Geography 10 Geology 3 German 5, 6 Greek 11, 12 History 9, 10 (I, II) History 25, 26 Mathematics 24 Mathematics 27 *Music 37-38 Philosophy 6 Philosophy 21 Physics 34 Psychology 1 (II) or 2R (I) Psychology 9 Psychology 27, 28 Spanish 15-16 Zoölogy 97-98
11	Botany 55-56 Chemistry 145, 146 Chemistry 150 Economics 27, 28 English 1-2 English 21-22 (I) English 41-42 English 73, 74 Fine Arts 67 (II) French 5, 6 (II) French 5x, 6x (III) French 33, 34 French 125-126 German 3, 4 (I) German 7, 8 Government 3, 4 History 1-2 (II, V) Mathematics 31R (I) Mathematics 34R Mathematics 135, 136 Philosophy 1 (II) Philosophy 4 Philosophy 12 Physics 11-12 Psychology 2R (II) Sociology 1-2 Spanish 3R, 4a	*Astronomy 1-2 Botany 58 Classical Civilization 55, 56 Economics 1-2 (III) Economics 13, 14 English A (VIIa, b) English 49, 50 English 67, 68 Fine Arts 65, 66 French 5, 6 (III) Geology 1, 2 German 25, 26 Government 11, 12 Greek 25, 26 History 1-2 (VI, VII) Hygiene A1-A2 (I) Mathematics 1 (I) Mathematics 22 (II) Music 1-2 *Music 1a *Music 23-24 Physics 20 Psychology 19 Psychology 22 Religion 1, 2 Spanish 5, 6 Zoölogy 13, 14	Botany 55, 56 Chemistry 145, 146 Chemistry 150 Economics 27, 28 English 1-2 English 21-22 (I) English 41-42 English 73, 74 Fine Arts 67 (II) French 5, 6 (II) French 5x, 6x (III) French 33, 34 French 125-126 German 3, 4 (I) German 7, 8 Government 3, 4 Greek 21, 22 History 1-2 (II, V) Mathematics 31R (I) Mathematics 34R Mathematics 135, 136 Philosophy 1 (II) Philosophy 4 Physics 11-12 Psychology 2R (II) Sociology 1-2 Spanish 3R, 4a

Courses marked with an asterisk [*] are given at Columbia University;

ATTENDANCE

Hours	THURSDAY	FRIDAY	SATURDAY
A.M.	Anthropology 14 Anthropology 17 Botany 51-52 Comparative Literature 5, 6 Economics 15, 16 English 25-26 French 3, 4 (II) Geography 1-2 German 1-2 (III) Government 49, 50 Latin 25, 26 Mathematics 7-8 (II) Philosophy 1 (III) or 2R (II) Philosophy 41-42 Psychology 1 (III) or 2R (III) Spanish 22 Spanish 23 Zoölogy 30 Zoölogy 122	Chemistry 41-42 Chemistry 41a Economics 1, 2 (IV) English A (Ia) English 53, 54 French 1-2 French 5, 6 (I) French 5x, 6x (I) French 7, 8 (I) German 1-2 (I) Government 1, 2 History 1-2 (I, IV) History 5, 6 Italian 1-2 Latin 3, 4 Latin 21, 22 Mathematics 1 (I) Mathematics 21R (I), 22 (I) Mathematics 32R (I) Mathematics 47 Philosophy 1 (I) or 2R (I) Philosophy 61-62 Physics 17 Psychology 1 (I) Spanish 1-2 (I) Spanish 3, 4 (I) Zoölogy 1-2	French 3, 4 (II) Mathematics 7-8 (II) Philosophy I (III) or 2R (II) Psychology 1 (III) or 2R (III)
9			
10	Botany 64 Chemistry 5-6 Classical Civilization 49, 50 Economics 17, 18 English A (VIa) English 3, 4 English 69, 70 Fine Arts 1-2 Fine Arts 62 French 9, 10 German 9, 10 History 1-2 (III) History 11, 12 History 17, 18 History 25, 26 History 33-34 Philosophy 67 Philosophy 70 Psychology 1 (IV) or 2R (IV) Psychology 24 Religion 9, 10 Spanish 13, 14 Zoölogy 5	Chemistry 63, 64 Chemistry 105, 106 Economics 1, 2 (I) Economics 21, 22 English A (IIa, b) English 77, 78 Fine Arts 41 Fine Arts 67 (I) Fine Arts 90 French 5x, 6x (II) French 7, 8 (II, III) French 21-22 French 23-24 Geography 10 Geology 3 German 5, 6 Greek 11, 12 History 9, 10 (I, II) History 25, 26 Mathematics 24 Mathematics 27 *Music 37-38 Philosophy 6 Philosophy 21 Physics 34 Psychology 1 (II) or 2R (I) Psychology 9 Psychology 27, 28 Spanish 15-16 Zoölogy 97-98	Chemistry 5-6 English A (VIa) English 83, 84 (10-12:30) History 1-2 (III) Psychology 1 (IV) or 2R (IV)
11	*Astronomy 1-2 Botany 58 Classical Civilization 55, 56 Economics 1, 2 (III) Economics 13, 14 English A (VIIa, b) English 49, 50 English 67, 68 Fine Arts 65, 66 French 5, 6 (III) Geology 1, 2 German 25, 26 Government 11, 12 Greek 25, 26 History 1-2 (VI, VII) Mathematics 1 (I) Music 1-2 Music 1a *Music 23-24 Psychology 19 Psychology 22 Religion 1, 2 Spanish 5, 6 Zoölogy 13, 14	Chemistry 145, 146 Chemistry 150 Economics 27, 28 English 1-2 English 21-22 (I) English 41-42 English 73, 74 Fine Arts 67 (II) French 5, 6 (II) French 5x, 6x (III) French 125-126 German 3, 4 (I) German 7, 8 Government 3, 4 Greek 21, 22 History 1-2 (II, V) Hygiene A1-A2 (IV) Mathematics 22 (II) Mathematics 31R (I) Mathematics 34R Mathematics 135, 136 Philosophy 1 (II) Philosophy 4 Physics 11-12 Psychology 2R (II) Sociology 1-2 Spanish 3R, 4a	English A (VIIa, b) English 83, 84 (10 to 12:30) French 5, 6 (III) History 1-2 (VI, VII) Mathematics 1 (I) Mathematics 22 (II)

those marked with a dagger [†] are given at Teachers College.

Hours	MONDAY	TUESDAY	WEDNESDAY
P.M.	Botany 151-152 *Drawing u11-u12 (I) English A (IIIa, b) English 21-22 (II) English 61, 62 English 63 French 3R (I) French 6R French 5x, 6x (IV) French 6xR (I) French 11, 12 French 19-20 (I) French 25, 26 German 1-2 (II) German 3, 4 (II) Government 23, 24 History 15, 16 History 23, 24 Italian 3, 4 Latin 11, 12 Mathematics 31-32 Mathematics 31R (II) Mathematics 33 Mathematics 44 *Music 31-32 Physics 31 Physics 36 Psychology 11 Spanish 3, 4 (II) Spanish 17-18		Botany 151-152 English A (IIIa, b) English 21-22 (II) English 61-62 English 63 French 3R (I) French 6R French 5x, 6x (IV) French 6xR (I) French 11, 12 French 19-20 (I) French 25, 26 German 1-2 (II) German 3, 4 (II) Government 23, 24 History 15, 16 History 23, 24 Italian 3, 4 Latin 11, 12 Mathematics 31-32 Mathematics 31R (II) Mathematics 33 Mathematics 44 *Music 31-32 Physics 31 Physics 36 Psychology 7-8 (I, II) Spanish 3, 4 (II) Spanish 17-18
1:10			
2:10	Archaeology 71 *Drawing u11-u12 (I) Economics 1, 2 (II) †Education 51ES, 52ES English A (IVa, b) English 27, 28 English 65, 66 Fine Arts 51, 52 French 3, 4 (I) French 3R (II) French 6xR (II) French 13, 14 French 19-20 (II) Geology 27, 28 German 1-2 (II) Greek 1-2 Italian 19, 20 Latin 1-2 Mathematics 7-8 (I) *Music 15, 16 *Music 35-36 *Music 53, 54 Philosophy 45 Psychology 11 Russian 1-2 Sociology 12, 15 Spanish 1-2 (II) Spanish 3, 4 (III)	Anthropology 1, 2 Classical Civilization 53, 54 Economics 4 †Education 53ES, 54ES English 23-24 English 71-72 Fine Arts 75, 76 Geology 15 German 1-2 (IV) German 51 Greek 1-2 History 11, 12 Hygiene A1-A2 (II) *Music 57, 58 Psychology 7-8 (III, IV) Psychology 11 Psychology 58 Sociology 31, 32 Spanish 19	Archaeology 71 Economics 1, 2 (II) †Education 51ES, 52ES English A (IVa, b) English 27, 28 English 65, 66 Fine Arts 51, 52 French 3, 4 (I) French 3R (II) French 6xR (II) French 13, 14 French 19-20 (II) Geology 27, 28 German 1-2 (IV) Greek 1-2 Italian 19, 20 Latin 1-2 Mathematics 7-8 (I) *Music 15, 16 *Music 131-132 Psychology 7-8 (I, II) Russian 1-2 Sociology 12 Sociology 15 Spanish 1-2 (II) Spanish 3, 4 (III)
3:10	Botany 59, 60 *Drawing u11-u12 (II) English A (Va) English 15 German 1-2 (IV) Government 25, 26 History 37, 38 International Studies 51-52 Italian 5, 6 Mathematics 21R (II) Mathematics 32R (II) Mathematics 56 *Music 39-40 *Music 53, 54 Philosophy 45 Portuguese 1-2 Psychology 37 Religion 3, 4 Russian 3, 4	American Studies 3, 4 Contemporary Problems 1 (2R) English 91, 92 (I) Geology 15 Geology 30 German 1-2 (IV) German 51 Government 7, 8 Latin 19-20 *Music 13-14 Psychology 7-8 (III, IV) Sociology 31, 32 Spanish 1-2 (III)	Anthropology 1, 2 Anthropology 51, 52 Botany 59 †Education 51ES, 52ES English A (Va) English 15 English 91, 92 (II) German 1-2 (IV) Government 11, 12 History 37, 38 Italian 5, 6 Mathematics 21R (II) Mathematics 32R (II) Mathematics 56 *Music 131-132 Portuguese 1-2 Psychology 7-8 (I, II) Psychology 37 Religion 3, 4 Russian 3, 4
4:10	*Drawing u11-u12 (II) Government 25, 26 *Greek 103, 104 International Studies 51-52 *Music 63, 64 (I) Portuguese 3, 4 Recreational Leadership 2aR	American Studies 3, 4 Contemporary Problems 1 (2R) English 11, 12 (4-5:50) English 91, 92 (I) Government 7, 8 *Music 13-14 Psychology 7-8 (III, IV)	Anthropology 51, 52 Economics 51, 52 English 15 English 91, 92 (II) *Greek 103, 104 *Music 75-76 Portuguese 3, 4 Recreational Leadership 2aR
5:10	Choir practice *Music 63, 64(I)	English 11, 12 (4-5:50) Glee Club (5-6:15)	Choir practice Economics 51, 52 *Music 75-76

Courses marked with an asterisk [*] are given at Columbia University;

ATTENDANCE

Hours	THURSDAY	FRIDAY	SATURDAY
A.M.	Anthropology 1, 2 *Drawing u11-u12 (I) Economics 1, 2 (III) Fine Arts 62 French 7, 8 Geography 1-2 Hygiene A1-A2 (III) Latin 29-30 Music 1-2 *Music 23-24 Sociology 1-2 Sociology 21, 22 Spanish 9-10 (I) Spanish 11-12	Chemistry 5-6 Chemistry 65, 66 English A (IIIa, b) English 21-22 (II) English 61, 62 English 63 French 3R (I) French 6R French 5x, 6x (IV) French 6xR (I) French 11, 12 French 25, 26 German 1-2 (II) German 3, 4 (II) Government 23, 24 History 15, 16 History 23, 24 Italian 3, 4 Latin 11, 12 Mathematics 31-32 Mathematics 31R (II) Mathematics 33 Mathematics 44 *Music 31-32 Physics 31 Physics 36 Psychology 7-8 (I, II) Spanish 3, 4 (II) Spanish 17-18	
1:10			
2:10	Classical Civilization 53, 54 *Drawing u11-u12 (I) Economics 4 †Education 53ES, 54ES English 23-24 English 71, 72 Fine Arts 75, 76 Geology 15 German 1-2 (IV) Greek 1-2 History 11, 12 *Music 57, 58 *Music 71-72 Psychology 7-8 (III, IV) Psychology 11 Psychology 58 Sociology 21, 22 Spanish 19	Economics 1, 2 (II) English A (IVa, b) English 27, 28 English 65, 66 English 91, 92 (III) Fine Arts 51, 52 French 3, 4 (I) French 3R (II) French 6xR (II) French 13, 14 Geology 27, 28 German 1-2 (III, IV) Greek 1-2 Italian 19, 20 Latin 1-2 Mathematics 7-8 (I) *Music 15, 16 *Music 35-36 Psychology 7-8 (I, II) Russian 1-2 Sociology 12 Sociology 15 Spanish 1-2 (II) Spanish 3, 4 (III)	
3:10	Anthropology 5, 6 *Drawing u11-u12 (II) †Education 53ES, 54ES English 23-24 English 71, 72 English 81 Geology 15 Geology 30 German 1-2 (IV) Government 15 History 17, 18 *Music 71-72 Physics 21 Psychology 7-8 (III, IV) Spanish 1-2 (III) Spanish 9-10 (II)	English A (Va) English 91, 92 (III) Fine Arts 67 (I, II) German 1-2 (III) German 1-2 (IV) History 37, 38 Mathematics 21R (II) Mathematics 32R (II) Mathematics 56 *Music 111 *Music 112 Philosophy 91, 92 Portuguese 1-2 Psychology 7-8 (I, II) Psychology 37 Russian 3, 4 Spanish 1-2 (III)	
4:10	Anthropology 5, 6 *Drawing u11-u12 (II) English 81 Government 15 Government 31, 32 History 45, 46 Psychology 7-8 (III, IV)	Economics 41, 42 *Music 111 *Music 112 *Music 133-134 Philosophy 91, 92 Portuguese 3, 4	
5:10	*Latin 139-40	Choir practice Economics 41, 42 Glee Club (5-6:15) *Music 133-134	

those marked with a dagger [†] are given at Teachers College.

STUDENTS' LOAN FUND

A Students' Loan Fund is maintained by the Associate Alumnae. From this fund loans are made at a low rate of interest to upper classmen in need of financial assistance for college tuition and residence fees. The maximum amount loaned to any one student is definitely limited. Loans are made on a single semester's basis, and applications must be presented for each semester. The principal and interest are to be paid on a quarterly basis within three years after graduation in the case of loans of \$200 or less and within five years in the case of all larger loans. Inquiries may be made of the Alumnae Secretary in the Associate Alumnae Office, Riverside Building, or addressed to Mrs. David S. Muzzey, 492 Van Cortlandt Park Avenue, Yonkers, N. Y.

The operation of this fund as a revolving loan fund, as distinct from the special scholarship funds mentioned below, makes it possible to keep the capital in continuous use by successive generations of students. The committee does not deem it advisable to lend a very large amount to any one student, as it has found in its experience over the last few years that repayments prove a burden on the borrowers, particularly if the time schedule of repayment cannot be maintained and interest accumulates. However, the committee desires to make the fund as helpful as possible and wishes to have students in need of assistance apply to it freely and consult with the committee as to possible methods of meeting their financial difficulties.

SCHOLARSHIPS, GRANTS-IN-AID, LOANS

PURPOSE. The College desires that no student of exceptional ability shall be kept away from Barnard because her family has only moderate means. To aid students financially, there are Scholarships, Grants-in-aid, a Loan Fund (see above) and provisions in the Occupation Bureau (see page 146) for enabling girls to earn a little money toward their personal expenses.

SCHOLARSHIPS. Scholarships are awarded annually on a competitive basis by the Faculty Committee on Scholarships to full-time students of high scholarly ability, excellent character, and promise of future usefulness, who are in need of aid.

For resident students—that is, those who live in Brooks or Hewitt Halls—they range in value from \$150 to \$700 a year.

For students who do not live at the College, they range in value from \$75 to \$300, except for one New York City scholarship valued at \$400 every third year.

If a student fails to maintain an average of at least B in her work, or if for any other reason she shows herself an unsatisfactory scholar, she may forfeit her scholarship and be ineligible for reelection the following term.

GRANTS-IN-AID. Grants-in-aid are awarded by the Faculty Committee on Scholarships to deserving and needy students to help them to enter or to remain in college. No student whose record falls below an average of C will ordinarily be considered eligible for such a grant.

RESIDENCE GRANTS. Residence grants are awarded by the Faculty Committee

on Scholarships to enable students to live in the residence halls. They range in value from \$25 to \$300.

APPLICATIONS FROM STUDENTS IN COLLEGE. On or before the first of March of each year all applications for scholarships, grants-in-aid, and residence grants must be filed at the Dean's office upon special blanks to be obtained there.

APPLICATIONS FROM ENTERING STUDENTS. On or before the first of March applications for scholarships should be in the hands of the Committee on Admissions. Blanks for this purpose may be obtained in the Office of Admissions.

Applicants are required to take the Scholastic Aptitude and Achievement Tests of the College Entrance Examination Board in April, unless they are applying for admission with advanced standing from another institution.

Except for a very few special scholarships, students should not apply for scholarships by name, but should merely indicate the minimum sum needed.

SCHOLARSHIP AWARDS. Applicants will be informed by the Chairman of the Committee on Scholarships as soon as awards have been made. Applicants receiving awards are requested to inform the Dean's office *immediately*, in writing, if they do not intend to use the funds awarded.

Holders of scholarships, grants-in-aid, and residence grants are requested to file with the Bursar *on the day of registration* a scholarship certificate to be obtained from the Secretary to the Dean.

COMPETITIVE ENTRANCE SCHOLARSHIPS

BROOKLYN SCHOLARSHIPS (\$150 EACH). Founded in 1895 by the Trustees of Columbia University in recognition of the gift to Columbia University by President Seth Low of a memorial building for the University Library. Open to students resident in Brooklyn and prepared in a Brooklyn school.

LUCILLE PULITZER SCHOLARSHIPS (\$300 to \$700 EACH). Founded by the late Joseph Pulitzer in memory of his daughter, Lucille Pulitzer.

Three are restricted to students from the City of New York; eight are for resident students.

JESSIE KAUFMANN SCHOLARSHIP. The income of a fund of \$4,000. Founded in 1902 by Mr. Julius Kaufmann in memory of his daughter, Jessie Kaufmann. Awarded on the merits of the entrance examinations to a student who, after careful investigation, is found to have no relative able to assist her financially. It may be held for the entire college course.

MARTHA T. FISKE SCHOLARSHIP. The income of a fund of \$5,000. Founded in 1911 by Miss Anna E. Smith, in memory of her sister, Mrs. Martha T. Fiske-Collard. It is awarded, on the basis of scholarly ability and general character, to some deserving candidate not a resident of New York City or its suburbs.

CARPENTIER RESIDENCE SCHOLARSHIPS (\$400 to \$700 EACH). Founded in 1919 with a bequest from the late Horace W. Carpentier. Awarded annually to students who are not residents of New York City or its vicinity.

GENERAL SCHOLARSHIPS

ELLA WEED SCHOLARSHIP. The income of a fund of approximately \$3,600. Originally established in 1895 by the pupils and alumnae of Miss Anne Brown's School in memory of Miss Ella Weed, who was chairman of the Academic Committee of the Board of Trustees of Barnard College during the first five years of its existence.

JENNIE B. CLARKSON SCHOLARSHIP. The income of a fund of \$3,000. Founded in 1898 by the late Mrs. W. R. Clarkson.

EMILY JAMES SMITH SCHOLARSHIP. The income of a fund of \$3,000. Founded in 1899 by the late Miss Emily H. Bourne in honor of Miss Smith, then Dean of Barnard College.

ANNA E. BARNARD SCHOLARSHIP. The income of a fund of \$3,000. Founded in 1899 by the late Miss Emily H. Bourne in honor of Mrs. John G. Barnard.

BREARLEY SCHOOL SCHOLARSHIP. The income of a fund of \$3,000. Founded in 1899 by pupils and former pupils of the Brearley School.

ELIZA TAYLOR CHISHOLM MEMORIAL SCHOLARSHIP. The income of a fund of \$3,000. Founded in 1901 by the Alumnae Association of Miss Chisholm's School, which Association reserves the privilege of precedence for such candidates as it may recommend.

EMMA HERTZOG SCHOLARSHIP. The income of a fund of \$3,000. Founded in 1904 by gifts from residents of Yonkers, N. Y. It is awarded, in conference with the faculty of the Yonkers High School, to a graduate of that school who is entering Barnard College.

VELTIN SCHOOL SCHOLARSHIP. The income of a fund of \$3,000. Founded in 1905 by the alumnae of Mlle. Veltin's School.

MRS. DONALD McLEAN SCHOLARSHIP. The income of a fund of \$3,000. Founded in 1906 by the New York City Chapter of the Daughters of the American Revolution. It is awarded, in conference with a representative of the Chapter, to a deserving student who agrees to pursue the study of history (chiefly that of the United States) continuously throughout her college course.

GRAHAM SCHOOL SCHOLARSHIP. The income of a fund of \$5,000. Founded in 1907 by the Graham Alumnae Association.

MRS. HENRY CLARKE COE SCHOLARSHIP. The income of a fund of \$3,600. Founded in 1910 by the National Society of New England Women, now the New York City Colony of the National Society. It is awarded, on the nomination of the chairman of the Scholarship Committee of the New York City Colony, to a student from New England or of New England parentage, and after the award is once made the Society requires from the beneficiary full obedience to discipline and the highest ideals of scholarship. This may be awarded to an entering freshman.

EMMA A. TILLOTSON SCHOLARSHIP. The income of a fund of \$5,000. Founded in 1910 by the late Mrs. Luther G. Tillotson. It is awarded at the end of the freshman year to a student of exceptionally high standing, and may be held for three years, provided the recipient continues to maintain a high rank. It will be awarded in 1946 and 1949.

ELEONORA KINNICUTT SCHOLARSHIP. The income of a fund of \$5,000. Founded in 1911 in memory of Mrs. Francis P. Kinnicutt, who was a Trustee of Barnard College. It is awarded at the end of the freshman year to a student of exceptionally high standing, and may be held for three years, provided the recipient continues to maintain a high rank. It will be awarded in 1945 and 1948.

WILLIAM MOIR SCHOLARSHIPS. The income of a fund of \$10,000. Founded in 1912 by the late Mrs. William Moir, in memory of her husband.

MARY BARSTOW POPE SCHOLARSHIP. The income of a fund of \$4,000. Founded in 1913 in memory of Mary Barstow Pope, sometime teacher in Miss Chapin's School, by her friends, her fellow-teachers, and her pupils. It is open to any undergraduate of Barnard College for the whole or any part of her course, and is awarded on the nomination of a self-perpetuating committee representing the founders.

CHARLES E. BOGERT MEMORIAL SCHOLARSHIP, AND ANNA SHIPPEN YOUNG BOGERT MEMORIAL SCHOLARSHIP. The income of a fund of \$10,000. Founded in 1913 with a bequest from the late Annie P. Burgess. They are awarded to worthy and deserving students of good Christian character who are unable to pay their own expenses.

MARTHA ORNSTEIN BRENNER SCHOLARSHIP. The income of a fund of \$4,000. Founded in 1915 by her friends in memory of Martha Ornstein Brenner, 1899.

BARNARD SCHOOL ALUMNAE SCHOLARSHIP. The income of a fund of \$4,000. Founded in 1916 by the alumnae of the Barnard School for Girls. It may be awarded to a student in any class, preference being given to nominees of the school.

SCHOLARSHIP IN ENGLISH. The income of a fund of \$5,000. Founded in 1920 by an anonymous donor. It is awarded to a student of good standing who is specializing in English and is in need of help; with the proviso that, if in any year there is no student specializing in English who stands out as particularly deserving of aid, the scholarship may be used, at the discretion of the Faculty Committee on Scholarships, to assist a student majoring in some other subject.

ANNA M. SANDHAM SCHOLARSHIP. The income of a fund of \$10,000. Founded in 1922 with a bequest from the late Anna M. Sandham.

ELEANOR BUTLER SANDERS SCHOLARSHIP. The income of a fund of \$10,000. Founded in 1922 with a bequest from the late Henry M. Sanders.

LUCILLE PULITZER SUPPLEMENTARY SCHOLARSHIPS (\$50 EACH). Founded by the late Joseph Pulitzer in memory of his daughter, Lucille Pulitzer. They are awarded to worthy and needy students, and may be used to supplement larger

scholarships or themselves combined into scholarships of \$100 or more. The money is applicable to tuition fees, residence fees, or, in special cases, general outside expenses.

AUGUSTA LARNED SCHOLARSHIP. The income of a fund of \$10,000. Founded in 1924 with a bequest from the late Augusta Larned.

MARY E. LARKIN JOLINE SCHOLARSHIP. With an annual value of \$300. Founded in 1927 with a bequest from the late Mary E. Larkin Joline. It is awarded to a student who is specializing in music.

CHARLOTTE LOUISE JACKSON SCHOLARSHIP. The income of a fund of \$5,000. Founded in 1928 with a bequest from the late Fannie A. Jackson. It is awarded to a graduate of a Yonkers high school selected by or under the direction of the Board of Education of Yonkers.

ALICE MARIE-LOUISE BRETT SCHOLARSHIP. The income of a fund of \$10,000. Founded in 1930 with a bequest from the late Philip E. Brett in memory of his daughter, Alice Marie-Louise Brett, of the Class of 1915. It is awarded during her senior year to an able and deserving student specializing in French.

SCHMITT-KANEFENT SCHOLARSHIP. The income of a fund of \$7,000. Founded in 1931 with a bequest from the late Catherine Schmitt.

HELEN ELIZABETH VOSBURGH SCHOLARSHIP. The income of a fund of \$5,000. Founded in 1934 with a bequest from the late Katherine G. Lippke in memory of Helen Elizabeth Vosburgh of the Class of 1925. In awarding this scholarship, preference is given to a self-supporting student.

WILLINA BARRICK MEMORIAL SCHOLARSHIP. The income of a fund of \$5,000. Founded in 1936 by the College Club of Jersey City as a memorial to Willina Barrick, 1900. It is awarded on the nomination of the Club to a graduate of a Jersey City secondary school entering Barnard College.

VIRGINIA GILDERSLEEVE INTERNATIONAL SCHOLARSHIP. The income of a fund of \$15,100. Founded in 1937 by Mr. Charles R. Crane. It is awarded annually to a foreign student coming to Barnard to study.

PETER C. RITCHIE, JR., SCHOLARSHIP. The income of a fund of \$4,400. Founded in 1937 with a bequest from the late Virginia J. Ritchie. It is awarded to a needy student.

HARKNESS SCHOLARSHIPS. Established in 1939 by a gift of \$100,000 from the late Edward S. Harkness. Awarded to able and needy students.

ALMA GLUCK ZIMBALIST SCHOLARSHIP. The income of a fund of \$10,000. Founded in 1940 with a bequest from the late Alma Gluck Zimbalist. It is awarded annually to a student who wishes to major in Political Economics.

HELEN JENKINS GEER SCHOLARSHIP. The income of a fund of \$5,000. Founded in 1940 by Helen Hartley Geer, Class of 1940, in memory of her mother, Helen Jenkins Geer, Class of 1915. It is awarded annually, after conference with the donor.

SCHOLARSHIPS ESTABLISHED ON A TEMPORARY BASIS

FANNY I. HELMUTH SCHOLARSHIP. Established by the Daughters of Holland Dames in honor of Fanny I. Helmuth. It is awarded in conference with a representative of the society to a student of Dutch descent who is in need of aid.

BARNARD COLLEGE CLUB SCHOLARSHIP. A residence scholarship, with stipend varying, established in 1936 by the Barnard College Club of New York.

EDNA CHAPIN SCHOLARSHIP. Established by the Barnard College Club of Westchester in 1937, in memory of Edna Chapin Close of the Class of 1902. Value \$400. Awarded to an entering freshman from Westchester County, for one year only.

NATIONAL SCHOLARSHIPS

The Seven College Conference, made up of Barnard, Bryn Mawr, Mount Holyoke, Radcliffe, Smith, Vassar and Wellesley, offers annually 21 National Scholarships for incoming Freshmen. Each college offers a scholarship in each of the three following districts: *Middle West*, Kansas, Missouri, Nebraska; *South*, Louisiana, New Mexico, Texas; and *West*, California, Oregon, Washington.

A minimum award of \$100 will be given each successful candidate, regardless of need, with a maximum award on the basis of need to cover room, board and tuition.

Information and application blanks may be obtained from Mrs. F. Murray Forbes, Jr., Executive Secretary, Committee on National Scholarships for Women, 21 Beaver Place, Boston 8, Massachusetts.

SPECIAL FUNDS FOR THE AID OF NEEDY AND DESERVING STUDENTS

ARTHUR BROOKS FUND. A fund of \$5,000, given in 1897 by Miss Olivia E. Phelps Stokes as a memorial to the Reverend Arthur Brooks, D.D., Rector of the Church of the Incarnation and Chairman of the Board of Trustees of Barnard College during the first six years of its existence.

FISKE SCHOLARSHIP FUND. A fund of \$5,000, given by the late Mrs. Martha T. Fiske-Collord, the income of which is placed at the disposal of the Dean of Barnard College.

GEORGE W. SMITH SCHOLARSHIP FUND. A fund of \$5,000, given in 1906 by the late Mrs. Martha T. Fiske-Collard as a memorial to Mr. George W. Smith, who was a Trustee of Barnard College. The income of the fund is placed at the disposal of the Dean of the College.

MARY GERTRUDE EDSON ALDRICH SCHOLARSHIP FUND. A fund of \$1,000, given by Mrs. James Herman Aldrich. The income is used to assist in her senior year a student who has shown in her college life the moral qualities which go to the making of fine womanhood.

ALUMNAE SCHOLARSHIP FUND. A fund of approximately \$8,300. Established by the Class of 1912 at its tenth reunion, it was subsequently increased by a legacy from the estate of Julia Ludlow Young and by gifts of other alumnae. The income is to be used to help needy and deserving students.

CAROLINE CHURCH MURRAY FUND. A fund of \$5,000, established in 1918 by Mr. George Welwood Murray in memory of Caroline Church Murray. The income is placed at the disposal of the Dean to be used in aid of needy and deserving students.

IRMA ALEXANDER GOLDFRANK FUND. A fund of \$2,105, established in 1919 by the friends of the late Irma Alexander Goldfrank, 1908. The income is placed at the disposal of the Dean to be used in aid of needy and deserving students.

CARPENTIER SCHOLARSHIP FUND. A fund of \$200,000, the bequest of the late Horace W. Carpentier. The income remaining after the payment of the Carpentier Residence Scholarships described on page 135 is placed at the disposal of the Dean for distribution in scholarships of varying amounts, according to the needs of deserving students.

SCHOLARSHIP FUND. A fund of approximately \$12,000, established by general subscription through the Scholarship Committee of the Board of Trustees.

THOMAS F. CLARK STUDENTS' LOAN FUND. A fund of \$100,000, the bequest of the late Mrs. Fanny Foster Clark. The income is to be used to aid needy and deserving students.

EDNA HENRY BENNETT MEMORIAL SCHOLARSHIP FUND. A fund of \$1,640, established in 1927 by friends of the late Edna Henry Bennett, 1915, Lecturer in Zoölogy. The income is to be awarded by the Department of Zoölogy to Barnard students for work at a biological laboratory offering summer courses.

CLASS OF 1919 DECENNIAL FUND. A fund of \$5,000, established in 1929 as a tenth reunion gift by the Class of 1919, to endow a room in Hewitt Hall for the use of a deserving and needy student.

CLASS OF 1921 SCHOLARSHIP FUND. A fund of \$2,500, established in 1931 as a tenth reunion gift by the Class of 1921. The income is to be used to help needy and deserving students.

EVA-LENA MILLER BOOTH SCHOLARSHIP FUND. A fund of \$1,000, given in 1932 by the New York City Chapter of the Daughters of the American Revolution as a memorial to the late Mrs. Eva-Lena Miller Booth. The income is to be used to help needy and deserving students.

ALPHA ZETA CLUB SCHOLARSHIP FUND. A fund of \$2,500, established in 1936 by the Alpha Zeta Club. The income is awarded to a member of the graduating class for graduate work or, at the discretion of the Dean, to an undergraduate for undergraduate work.

IDA BLAIR MEMORIAL FUND. A fund of \$700, established in 1937 by the Women's Democratic Union, in memory of Ida Blair. The income of the fund is to

be used for the purchase, in each year, of books for such student in Barnard College (preferably one studying political science) as shall be designated as deserving by the Dean.

CLARA BUTTENWIESER UNGER MEMORIAL FUND. A fund of \$1,000, established in 1938 by the late Joseph L. Battenwieser, in memory of his daughter, Clara Battenwieser Unger, of the Class of 1913. The income of the fund is to be awarded annually to assist through her senior year a student whose subject of major interest is Government, and who shows promise of ability to contribute to the promotion and perpetuation of true democracy under our Constitution.

ANNE BROWN ENDOWMENT SCHOLARSHIP FUND. A fund of approximately \$20,000, given in 1939 by the Anne Brown Alumnae Association and dedicated to the late Anne Brown. The income is used for scholarships for young women of the City of New York who would otherwise be financially unable to attend Barnard.

FINE ARTS SCHOLARSHIP FUND. A fund of \$3,900, established in 1939. Either the principal or the income may be awarded to students for fine arts travel or study in this country or abroad.

LUCRETIA PERRY OSBORN SCHOLARSHIP FUND. A fund of approximately \$3,800, established in 1940 with gifts from friends, in memory of Lucretia Perry Osborn, a Trustee of Barnard College from 1893 to 1930. The income is to be used to aid one or more needy and deserving students.

MARION ALICE HOEY FUND. A fund of \$2,000 given in 1944 by Miss Nellie Poorman in memory of a graduate of Barnard College in the Class of 1914. The income is placed at the disposal of the Dean of the College to be used for the aid of needy and deserving students, preference being given to those studying Greek and Latin.

GRADUATE FELLOWSHIPS

GEORGE WELWOOD MURRAY GRADUATE FELLOWSHIP. The income of a fund of \$15,000. Established by Mr. George Welwood Murray in 1930. The holder is to pursue a year of graduate study at Columbia or any other university or college of approved standing. This fellowship is to be awarded each year as an academic honor to that member of the graduating class of Barnard College who, in the opinion of the Faculty, shows most promise of distinction in her chosen line of work in the field of the humanities and/or the social sciences. Should the recipient prove in no need of financial assistance, she may retain the title and honor but resign the income, which may then be used by the College for other fellowships or scholarships. This fellowship is not to be applied for but is to be awarded each year as soon as possible after the mid-year examinations. Students graduating in February are to be eligible, as well as those graduating in June.

GRACE POTTER RICE FELLOWSHIP. Established in 1935 by Mr. Winthrop Merton Rice in memory of his wife, Grace Potter Rice, Instructor and Assistant Professor of Chemistry at Barnard from 1918 until 1934. It is of an annual

value of \$600. The holder is to pursue a year of graduate study in natural sciences or mathematics at Columbia or any other university or college of approved standing. This fellowship is awarded each year as an academic honor to that member of the graduating class of Barnard College who, in the opinion of the Faculty, shows most promise of distinction in her chosen line of work. Should the recipient prove in no need of financial assistance, she may retain the title and honor but resign the income, which will then be used for other fellowships or scholarships. This fellowship is not to be applied for, but is awarded each year as soon as possible after the mid-year examinations. Students who have graduated in February are eligible, as well as those who are to graduate in June.

PUBLIC SERVICE FELLOWSHIP. The income of a fund of \$30,000. Established in 1934 by the Women's Organization for National Prohibition Reform. The holder is to pursue a year of graduate study in one or more of the related fields of History, Economics, Government, and Social Science at any college or university of approved standing. This fellowship is awarded annually by the Faculty of Barnard College to a woman graduate of any approved college or university who has shown special ability in the field of political science and promise of future usefulness in the public service.

KIMBALL FELLOWSHIP. The income of a fund of \$32,800. Founded in 1938 with a bequest of the late Lilian Emma Kimball. This fellowship is to be awarded to a woman from Spain or one of the Spanish-American countries who shall pursue a year of graduate study at Columbia or elsewhere, under the direction of a special committee of women members of the Faculty.

THE HERBERT MAULE RICHARDS FUND. Established by the Barnard Botanical Club, former students, and friends in memory of Professor Richards, an officer of the Department of Botany from 1896 to 1928, and Chairman from 1897 to 1928. The income from this fund will be granted from time to time to further botanical research, under the direction of an approved institution, to a student or an alumna of Barnard College.

MARGARET MEYER GRADUATE SCHOLARSHIP

An annual graduate scholarship of a value of \$75, established by Mrs. Alfred Meyer in 1923 in memory of Margaret Meyer Cohen of the Class of 1915, awarded annually to a member of the graduating class and providing a course of training in secretarial work.

PRIZES

The following prizes are awarded annually, on the recommendation of the appropriate departments of the Faculty of Barnard College, in accordance with the special conditions named below. No prize will be awarded to any student who falls below grade of C in any course during the year in which she is a competitor.

HERRMAN BOTANICAL PRIZE. A prize consisting of the income of a fund of \$1,000, founded by the late Mrs. Esther Herrman, is awarded annually to the most proficient undergraduate student in botany.

KOHN MATHEMATICAL PRIZE. A prize consisting of the income of a fund of \$1,000, founded by Mrs. S. H. Kohn, is awarded annually to a senior for excellence in mathematics. Competitors for this prize must have pursued mathematics continuously during their college course.

THE JENNY A. GERARD MEDAL. The Jenny A. Gerard Gold Medal, given in 1908 by the Society of the Colonial Dames in America in memory of Mrs. James Gerard, late President of the Society, is awarded annually to the undergraduate student of American birth in Barnard College who is most proficient in American colonial history.

SPERANZA PRIZE IN ITALIAN. A prize consisting of the income of a fund of \$1,000, founded by a former student in memory of the late Carlo Leonardo Speranza, Instructor and Professor of Italian at Barnard from 1890 until 1911, is awarded annually to a student in Barnard College for excellence in Italian.

VON WAHL PRIZE. A prize consisting of the income of a fund of \$1,300, founded in 1915 in memory of Constance von Wahl, of the Class of 1912, President of the Undergraduate Association, is awarded annually to a student for excellence in zoölogy, on the understanding that it is to be used to advance her knowledge in that field. If in any year no student stands out as eminently deserving of the prize, it is not awarded.

CAROLINE GALLUP REED PRIZE. A prize consisting of the income of a fund of \$1,000, founded in 1916 by Mrs. William Barclay Parsons in memory of her mother, Mrs. Sylvanus Reed, for the recognition of special study in the subject of the origin of Christianity and early church history, is awarded annually to the student who shows the highest excellence in this field of work. The award is made partly on the basis of an examination and partly on the basis of an essay to be handed in by May 1. A syllabus of the period to be covered may be obtained from the Chaplain of the University.

JEAN WILLARD TATLOCK MEMORIAL PRIZE. A prize consisting of the income of a fund of \$1,250, founded in 1917 by her friends in memory of Jean Willard Tatlock, of the Class of 1895, is awarded annually to the undergraduate student most proficient in Latin.

THE HELEN PRINCE MEMORIAL PRIZE. A prize consisting of the income of \$1,200, founded in 1921 by Mr. Julius Prince in memory of his daughter, Helen C. Prince, of the Class of 1922, is awarded annually to an undergraduate student in Barnard College for excellence in dramatic composition.

DEAN PRIZE IN GERMAN. A prize consisting of the income of \$1,000, one-fifth of a fund of \$5,000 established in 1925 by Mr. Edward D. Adams for the promotion of the study of German language and literature in Barnard College, is awarded annually to that member of the senior class at graduation who has throughout her course done the best work in German language and literature.

FRANK GILBERT BRYSON MEMORIAL PRIZE. A prize consisting of the income of a fund of \$3,000, founded in 1931 with a bequest from the late Ella Fitzgerald Bryson, of the Class of 1894, in memory of Frank Gilbert Bryson, is awarded annually to a member of the graduating class who has given conspicuous evidence of unselfishness during her college course.

MARY E. ALLISON PRIZE. A prize consisting of the income of a fund of \$1,000, founded in 1937 with a bequest from the late Estelle M. Allison in memory of her mother, Mary E. Allison, is awarded annually to a study of general excellence in scholarship.

ESTELLE M. ALLISON PRIZE. A prize consisting of the income of a fund of \$1,000, founded in 1937 with a bequest from the late Estelle M. Allison, is awarded annually to a student for excellence in literature.

PRIZE ESSAY CONTEST IN COLONIAL HISTORY. The National Society of Colonial Dames in the State of New York sponsors an annual prize essay contest open to Sophomores, Juniors and Seniors of Barnard College. The first prize is \$50 and a gold medal; the second prize is a gold medal.

A topic will be selected from the field of American colonial history by the Barnard College History Department and submitted for approval to the Colonial Dames. This should be done by October of each year. Students will then write essays on the subject, which will be submitted to the History Department and judged for literary excellence and historical accuracy. The History Department, as shortly after March 1 as possible, will then submit the four or five best essays to the Colonial Dames for final judgment of the two prize-winners. The essays should be from 5,000 to 10,000 words in length. The awards will be announced by May 1.

The following prizes of Columbia University are by their terms open to students of Barnard College:

BENNETT PRIZE. A prize established through a gift of \$1,000 from James Gordon Bennett may be awarded by the Faculty of Political Science for the best essay upon some subject of contemporary interest in the domestic or foreign policy of the United States. The competition is open to students not holding a Baccalaureate degree who pursue courses amounting to six hours a week in the School of Political Science. The subjects for the essay to be handed in May 1, 1946, are: "Obstacles to better racial relationship within the United States." "The Case for and against Federal Adjustment of Labor Disputes after the termination of the war." "The Case for and against the Replacement of the Presidential by the Parliamentary System in American Political Life."

THE BUNNER MEDAL. The H. C. Bunner Gold Medal, established by the friends of the late Henry Cuyler Bunner, is awarded annually at Commencement to the candidate for a Columbia degree who shall present the best essay on an assigned subject in American literature. The award will be made by a committee to be appointed by the President. The subject for the essay to be handed in May 1, 1946, is: "The Poetry of Marianne Moore."

EARLE PRIZE IN CLASSICS. A prize of \$50, established in memory of Mortimer Lamson Earle, Instructor in Greek in Barnard College from 1889 to 1895 and from 1898 to 1900, and Professor of Classical Philology from 1900 to 1905, is open for annual competition to all candidates for the degree of Bachelor of Arts. It is awarded partly on the basis of a special examination, partly on the basis of consistently good work in the regular Greek and Latin courses. The special examination covers specified portions of Greek and Latin literature, sight reading in Greek and in Latin, and prose composition in Greek and in Latin. The special subjects for 1946 are: 1. Demosthenes, *Olynthiac Orations* (edited by J. E. Sandys), Vergil, *Bucolics* (edited by T. E. Page).

For the award in 1946, the examination will be held in January. Students are urged to do much of their work for the examination during the preceding summer vacation.

THE CAROLINE PHELPS STOKES PRIZE. The Caroline Phelps Stokes Prize of \$40 is awarded annually at Commencement to that student who, having been regularly enrolled in Columbia College, or Barnard College, or Teachers College as a candidate for an academic degree, for not less than two sessions, winter or spring, shall be deemed to have written the best essay upon an assigned topic bearing upon the rights of man. The subjects for the essay to be handed in May 1, 1946, are: "The Proposed International Bill of Rights: Its Content and the Desirability and Possibility of its Adoption." "The Implications of the Distribution of Education for the Equalization of Opportunity for All Youth in the United States." Essays on topics other than those stated above will be accepted for competition, provided that they are relevant to the general topic of the rights of man.

GENERAL INFORMATION

ADVICE TO STUDENTS

The Dean is always glad to confer with a student regarding any matters that may be of interest to her. Individual instructors may also be consulted at any time by the student regarding her work in their classes.

Before planning her program for the coming year, every student should consult a member of the teaching staff, according to detailed regulations to be announced from time to time by the Committee on Instruction.

Not later than the spring session of her sophomore year, a student should consult the Occupation Bureau regarding opportunities in different occupations which may interest her and the prerequisite thereto.

ASSEMBLIES

University and College assemblies and other academic meetings at which attendance is required are held on Tuesday at 1:10 o'clock. Students must keep this hour free from other engagements.

HEALTH AND PHYSICAL EDUCATION

The University Medical Officer, Dr. William H. McCastline, the College Physician, Dr. Gulielma F. Alsop, and the Head of the Department of Physical Education, Professor Agnes R. Wayman, by means of lectures, personal advice, and a broad program of activity adapted to the needs and condition of the individual, endeavor to promote the health of the students. The sanitation of the College is under their supervision. Assistant physicians, two trained nurses, and six instructors work under their direction.

A physical and medical examination is required of each student upon entrance, at the end of the first year, and just before graduation. A motor capacity test and a swimming test are also given upon entrance. Frequent medical inspections are given each student. These examinations and tests are made the basis for determining the type of physical activity a student should take. Great emphasis is placed upon "physical fitness" and upon the teaching and learning of skills which can be used after college in order to maintain fitness. Special remedial and corrective classes as well as rest periods are provided for students requiring special individual attention. When necessary, recommendations are made to the Committee on Instruction regarding the student's academic program. As far as possible the work in the Department of Physical Education is conducted in the open air and the program is planned to meet the problem of individual differences and interests.

In addition to the medical offices, treatment rooms, and the offices of the Department of Physical Education, Barnard Hall contains a gymnasium, swimming pool, a room for physical examinations, one for "remedial" work, and a dance studio. The students have also, on Milbank Quadrangle, tennis courts, tenikoit courts, and a practice field for games. The roof of the building is provided with equipment for "moderate" games for the students physically unable to take part in more strenuous activities. There are three additional tennis courts, golf cages, and an archery range on the Riverside Quadrangle. A rest room is reserved for the use of the students.

An all-year-round camp is maintained in Westchester Co., near Ossining, N. Y., on a 17-acre plot of wooded land. This camp was the gift of Alumnae in 1933. It is administered by a committee representing the Athletic Association, the Department of Physical Education, the Academic Faculty, and the Alumnae. It furnishes an ideal opportunity for recreation and activity in the open as well as for the practice and learning of camp crafts.

Much stress is laid upon the development and training of student leaders, and ample opportunity is offered for students to assume responsibilities in connection with the work of the department, as well as that of the Athletic Association.

OCCUPATION BUREAU

The Occupation Bureau registers alumnae and students in search of employment or professional advancement, and recommends them to employers who apply to the College. It supports by letters of recommendation applications which qualified candidates may make directly on their own initiative. In

many cases, it can supply introductions to possible employers and suggest lines of approach.

In general, students are not advised to undertake employment during their first winter or spring session in college, since it is difficult for them to estimate at first the amount of time that can safely be spared from academic work. That is, the College prefers that they do not enter until they have funds available for the first year's expenses. After the first session or first year an able student in good health, who does not have to commute, can usually arrange to spare three or four half-days a week, and can perhaps earn a part of her expenses in this way. Some summer work may also be obtained. Most unskilled student work however, is paid at a low rate. No student who carries a full course can expect to earn all of her expenses, both tuition and living. Opportunities for part-time work calling for the number of hours that a student can spare are, in normal times though not in wartime, less than the number of students in search of them.

Both students and graduates making inquiry of the bureau are given as much information as possible about opportunities in different lines of work and the requirements therefor. For each student a personal record including scholastic achievement, extra-curricular interests, vocational interests and experiences, etc., is kept in this office, in order that the vocational information given may be as helpful as possible. A small library of vocational books, pamphlets, and bibliographies is in the bureau for the use of students, as well as files of civil service examination notices and regulations of state and city education departments. Considerable information in regard to occupational problems, opportunities, and requirements is accumulated through the survey of alumnae occupations and earnings made in connection with the *Alumnae Register* and through the informal individual reports of the many graduates who keep in personal touch with the bureau. The Vocational Advisory Committee of the Associate Alumnae coöperates with the bureau, particularly in planning vocational meetings; and members of the Faculty assist students with information in regard to particular occupations.

RESIDENCE HALLS

Brooks Hall and Hewitt Hall (see page 18), the residence halls for Barnard College students, will open on Friday, September 21, 1945, and will close at 12 noon Friday, June 7, 1946. Candidates for admission or students who wish to secure accommodations in the halls during the September entrance or deficiency examinations should make arrangements directly with the Assistant to the Dean in charge of Residence Halls, not later than June 1 or September 1, respectively.

Full information in regard to the situation and cost of rooms and the advance deposit is published in a separate pamphlet, to be had on application to the Assistant to the Dean in charge of Residence Halls. All correspondence regarding accommodations in the halls should be addressed to the Assistant to the Dean in charge of Residence Halls, Barnard College, New York 27, N. Y. All checks and money orders should be made payable to the order of Barnard College. For the residence hall fees see page 24.

The post-office address for resident students is Brooks Hall, 3001 Broadway, New York 27, N. Y.

The King's Crown Hotel, located at 420 West 116th Street, in close proximity to the University, is owned by the University. It provides accommodations at reasonable rates, available for relatives and guests of members of the University. All students not residing with their parents are required to live in Brooks Hall or Hewitt Hall unless they receive special permission to live with relatives. Applications for such permission, accompanied by letters of approval from parents or guardians, should be made before August 1 to the Assistant to the Dean in charge of Social Affairs. Reservations for rooms outside, made without permission, will not be approved.

ST. PAUL'S CHAPEL

Services are held in the University Chapel, St. Paul's, every day, except Saturday, from 12 to 12:20. On Sunday morning the service is at 11. The aim of the Chapel is to provide suitable expression for the religious life and to give due place for its cultivation and influence. Attendance is voluntary. A plan of Chapel membership is provided, so that all who wish may have this affiliation and share in the work of the Chapel.

The choir is made up of students, and there is also a Chapel chorus. (See announcement of Department of Music, page 105.)

Besides the Chaplain and Assistant Chaplain, there is a staff of assistants, and there is also an adviser of religious organizations in Barnard College. Counselors for Protestant, Catholic, and Jewish students are also associated with the University.

STUDENT ORGANIZATIONS

Under the system of self-government in use in the College, the various student organizations are supervised by the Student Council and the Representative Assembly, subject to the general approval of the Faculty. The Student Council also administers the Honor Code, in accordance with which all students on entering Barnard College agree to maintain a high standard of honor in examinations and all phases of college life.

Every regular or unclassified student is a member also of the Undergraduate Association, and as such is at liberty, on payment of the student fee, to take part in all general undergraduate and class functions, to make use of all privileges of the Athletic Association, and to receive the College weekly paper and literary quarterly. Special students may become special and associate members of the Association, if they so desire.

THE UNIVERSITY BOOKSTORE

The official University Bookstore is situated in the Journalism Building, with entrances at the southeast corner of 116th Street and Broadway, and from South Quadrangle between Furnald Hall and Journalism. Books and other supplies are sold at discounts from the usual prices. The store is open

Monday through Friday from 8:30 A.M. to 8:00 P.M.; Saturday, 8:30 A.M. to 5 P.M.; during the first days of each session, until 10 P.M. The store maintains a travel bureau and other services with substantial savings to Columbia students. Students having deposit accounts with the University may also make withdrawals at the bookstore.

Branches of the University Bookstore are maintained in Avery Hall, the McMillin Academic Theater lobby, and at the College of Physicians and Surgeons.

THE UNIVERSITY LIBRARY

The Libraries of the University contain about 1,973,000 volumes, exclusive of unbound pamphlets and doctoral dissertations. The various departments of instruction have special libraries in connection with their lecture rooms and laboratories. The Avery Architectural Library, the Law Library, the Ella Weed Library of Barnard College, the Teachers College Library, and the libraries of the College of Physicians and Surgeons and the College of Pharmacy are all available to students of the University.

For the convenience of the undergraduates of Barnard College there is maintained in the Ella Weed Library in Barnard Hall a carefully selected collection of reference books of about 63,499 volumes.

FOUNDERS

[Donors who had given \$5,000 or more to Barnard College by the time of its Fiftieth Anniversary have been enrolled as Founders.]

*JACOB H. SCHIFF
 *MRS. JAMES J. GOODWIN
 *JAMES TALCOTT
 In the name of JOSIAH M. FISKE
 *MRS. SETH LOW
 *MRS. C. B. HACKLEY
 *JOSEPH B. BLOOMINGDALE
 *J. PIERPONT MORGAN
 *MRS. ESTHER HERRMAN
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 *MRS. FREDERICK P. OLCOTT
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 *MRS. JOSEPH H. CHOATE
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 *MRS. A. A. ANDERSON
 *MRS. VAN WYCK BRINCKERHOFF
 *MISS EMILY H. BOURNE
 *SETH LOW, LL.D.

*MISS EMILY O. GIBBES
 *MRS. JAMES TALCOTT
 In the name of LAZARUS STRAUS
 *JOSEPH PULITZER
 *JEFFERSON SELIGMAN
 *MRS. JABEZ A. BOSTWICK
 *FREDERICK B. JENNINGS
 *JOHN D. ARCHBOLD
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 *MRS. HENRY FAIRFIELD OSBORN
 *J. HENRY SMITH
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 *WILLIAM K. VANDERBILT
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 *MRS. JOHN S. KENNEDY
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 *MISS ELEANOR BUTLER SANDERS
 *MISS CLARA B. SPENCE
 *EDWIN R. A. SELIGMAN
 *JOHN S. KENNEDY
 *MRS. LUTHER G. TILLOTSON

*Deceased.

*JOSEPH EASTMAN	Estate of MARY E. LARKIN JOLINE
*HORACE W. CARPENTIER	Mrs. EUGENE MEYER
*MRS. WILLIAM MOIR	Estate of FANNY FOSTER CLARK
*MRS. CHARLES F. WOERISHOFFER	Estate of FANNIE A. JACKSON
Estate of ANNIE P. BURGESS	Estate of DELPHINE BROWN
*FELIX WARBURG	Mrs. JAMES LEES LAIDLAW
*MRS. CLINTON OGILVIE	*JAMES LEES LAIDLAW
*MRS. E. HENRY HARRIMAN	Estate of PHILIP E. BRETT
*MRS. CAROLINE B. CROCKER	Estate of CATHERINE SCHMITT
*MRS. MARIA HALL WILLIAMSON	Mrs. RENÉE BARUCH SAMSTAG
*MISS ANNA E. SMITH	Estate of HARRIET S. PHILLIPS
*GEORGE WELWOOD MURRAY	VIRGINIA C. GILDERSLEEVE
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*MALCOLM WHITMAN	*MRS. FREDERIC S. LEE
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*MISS CHARLOTTE S. BAKER	*CHARLES R. CRANE
Mrs. OGDEN REID	Estate of LILIAN EMMA KIMBALL
*MRS. RUSSELL SAGE	In the name of NOEL MORRIS
In the name of	Mrs. DANA C. BACKUS
HELEN HARTLEY JENKINS GEER	In the name of ADAM LEROY JONES
In the name of ANNA HOWARD SHAW	Mrs. MAX WALLERSTEIN
Estate of HENRY M. SANDERS	EUGENE MEYER
Estate of AUGUSTA LARNED	Mrs. ARTHUR HAYS SULZBERGER
*DWIGHT MORROW	HELEN HARTLEY GEER
*EDWARD DEAN ADAMS	Mrs. ARTHUR LEHMAN

*Deceased.

FORM OF BEQUEST

To Barnard College I give and bequeath the sum of \$ for the uses and purposes of said Corporation.

OFFICERS OF THE
ASSOCIATE ALUMNAE OF BARNARD COLLEGE

Office: RIVERSIDE BUILDING, BARNARD COLLEGE

<i>President</i>	MRS. ADAM LEROY JONES '05
<i>1st Vice-President</i>	MRS. HENRY T. UPDEGROVE, JR. '30
<i>2nd Vice-President</i>	MRS. JOSEPH D. MCGOLDRICK '34
<i>Treasurer</i>	MISS EDITH HALFPENNY '13
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<i>Auditor</i>	MISS LILLIAN WALTON '14
<i>Executive Secretary</i>	MRS. JOHN F. REILLY '37

Directors: MRS. DAVID BARR '17
 MRS. BERNARD HEINEMAN '15
 MRS. GEORGE MCANENY '99
 MISS ANNA E. H. MEYER '98
 MRS. JOHN W. REMER '03
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 MISS HELEN YARD '25
 MRS. HENRY C. BARKHORN '13
 MRS. JOHN S. KARLING '37 *Chairman of the Alumnae Fund*
 MRS. ALFRED LOOMIS '13 *Alumnae Trustee*
 MRS. HAROLD OSBORNE '19 *Alumnae Trustee*

ACADEMIC CALENDAR

1945-1946

1945

- July 2 Monday. Forty-sixth Summer Session of Columbia University begins.
- Aug. 1 Wednesday. Last day for filing applications for deficiency examinations.
The privilege of later application may be granted on payment of a fee of \$5.
- Aug. 10 Friday. Forty-sixth Summer Session ends.
- Sept. 5 Wednesday. Entrance tests of the College Entrance Examination Board.
- Sept. 17 Monday. Deficiency examinations begin.
- Sept. 24 Monday. Registration for new students begins.
- Sept. 25 Tuesday. Registration ceases for new students.
The privilege of later registration may be granted on payment of a fee of \$5.
- Sept. 26 Wednesday. Winter Session, fifty-seventh year, begins.
- Sept. 27 Thursday. Classes begin.
- Oct. 16 Tuesday. Stated meeting of University Council.
- Nov. 6 Tuesday. Election Day. Holiday.
- Nov. 20 Tuesday. Annual Thanksgiving Service in St. Paul's Chapel.
- Nov. 22 Thursday. Thanksgiving Day. Holiday.
- Dec. 1 Saturday. Entrance tests of the College Entrance Examination Board.
- Dec. 18 Tuesday. Stated meeting of University Council.
- Dec. 24 Monday
- 1946
- Jan. 6 Sunday, inclusive. Christmas holidays.
- Jan. 20 Sunday. Annual Commemoration Service in St. Paul's Chapel.
- Jan. 21 Monday. Mid-year examinations begin.
- Feb. 1 Friday and
- Feb. 5 Tuesday. Registration for students matriculating for the first time.
The privilege of later registration may be granted on payment of a fee of \$5.
- Feb. 6 Wednesday. Classes begin.
- Feb. 12 Tuesday. Alumnae Day. Not a University holiday.
- Feb. 19 Tuesday. Stated meeting of University Council.
- Feb. 22 Friday. Washington's Birthday. Holiday.
- March 1 Friday. Last day for filing applications for non-competitive scholarships, grants-in-aid, and residence grants.
- April 6 Saturday. Admission and scholarship tests conducted by the College Entrance Examination Board.
- April 14 Sunday, to April 21, Sunday, inclusive. Easter holidays.
- April 16 Tuesday. Stated meeting of University Council.
- May 20 Monday. Final examinations begin.
- May 30 Thursday. Memorial Day. Not a University holiday.

- June 1 Saturday. Entrance tests of the College Entrance Examination Board.
- June 2 Sunday. Baccalaureate Service.
- June 4 Tuesday. Conferring of degrees.
- June 12 Wednesday. Spring Session ends.
- July 8 Monday. Forty-seventh Summer Session of Columbia University begins.
- Aug. 1 Thursday. Last day for filing applications for deficiency examinations.
- Aug. 16 Friday. Forty-seventh Summer Session ends.
- Sept. 7 Saturday. Entrance tests of the College Entrance Examination Board.
- Sept. 16 Monday. Deficiency examinations begin.
- Sept. 20 Friday. Registration (including the payment of fees) begins.
- Sept. 24 Tuesday. Registration ceases for Barnard students previously matriculated.
The privilege of later registration may be granted on payment of a fee of \$5.
- Sept. 25 Wednesday. Winter Session, fifty-eighth year, begins.
Registration ceases for students matriculating for the first time.
The privilege of later registration may be granted on payment of a fee of \$5.

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